

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
December
2007

Edmund G. Brown Jr.
Governor
State of California

John Laird
Secretary for Resources
The Resources Agency

Mark Cowin
Director
Department of Water Resources

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://www.water.ca.gov/swp/operationscontrol/projectwide.cfm>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Revisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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The organization shown above represents staff and positions relevant to this report as of publication date on December 2011. It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of December 2007.

Statewide precipitation was about 75 percent of average for the 2007 - 2008 water year through December. Statewide runoff was 35 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: "http://cdec.water.ca.gov/snow_rain.html".

Statewide reservoir storage was 80 percent of average to date. Total storage in major SWP reservoirs at the end of December 2007 was about 2.45 maf, compared with about 4.49 maf at this time in 2006. On December 31, storage at Lake Oroville was about 1.23 maf as compared to 2.79 maf at this time in 2006. The State's share of San Luis Reservoir storage was about 664 taf, as compared with 1.24 maf at this time in 2006. The combined storage in SWP's southern reservoirs was about 557 taf, compared with about 458 taf at this time in 2006.

SWP water deliveries for December 2007 were about 134 taf. This is a combination of project, transfer, and exchange waters. Total deliveries for the year through December was about 4.25 maf, this is about 812 taf less than that delivered during the same period in 2006.

The Coordinated Operations Agreement (COA) remained in "Balanced" conditions through December 27, 2007. On December 28, 2007, by mutual agreement, the United States Bureau of Reclamation and the California Department of Water Resources declared "Excess" conditions, with suspended accounting, in the Delta in accordance with Article 6(h) of the COA. The end-of-month accumulated USBR-COA balance was 30,720 cfs, reflecting a surplus in USBR storage withdrawals available to meet the USBR's share of Sacramento Valley In-Basin Use.

On December 21, at 0530 hrs, Southern Water Operations reported the Santa Ana Pipeline 108-inch valve was closed and at zero cfs flow due to a leak found at the Box Springs roll out section. At 1700 hrs CDWR and MWD agreed that for Saturday the pipeline flow will remain at zero cfs. Sump pumps were placed in the valve vault to keep up with the leakage. At approximately 0600 hrs on Sunday, December 23, flow was reestablished (with the leak) until December 25. On December 26, repairs began to remedy this situation.

Table 1. Antelope Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 22,566 ac-ft

December 2007

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Nov 30	4990.65	13,410								
1	4990.59	13,369	-41	20	0	0	0	1	21	
2	4990.54	13,335	-34	20	0	0	0	1	21	
3	4990.49	13,301	-34	20	0	0	0	1	21	
4	4990.47	13,288	-13	20	0	0	0	1	21	
5	4990.43	13,251	-37	20	0	0	0	1	21	
6	4990.40	13,240	-11	20	0	0	0	1	21	
7	4990.36	13,213	-27	20	0	0	0	1	21	
8	4990.29	13,166	-47	20	0	0	0	1	21	
9	4990.25	13,139	-27	20	0	0	0	1	21	
10	4990.17	13,085	-54	20	0	0	0	1	21	
11	4990.13	13,058	-27	20	0	0	0	1	21	
12	4990.08	13,025	-33	20	0	0	0	1	21	
13	4990.02	12,985	-40	20	0	0	0	1	21	
14	4989.96	12,944	-41	20	0	0	0	1	21	
15	4989.91	12,911	-33	20	0	0	0	1	21	
16	4989.85	12,871	-40	20	0	0	0	1	21	
17	4989.80	12,838	-33	20	0	0	0	1	21	
18	4989.79	12,831	-7	20	0	0	0	1	21	
19	4989.75	12,805	-26	20	0	0	0	1	21	
20	4989.71	12,778	-27	20	0	0	0	1	21	
21	4989.67	12,752	-26	20	0	0	0	1	21	
22	4989.61	12,712	-40	20	0	0	0	1	21	
23	4989.57	12,686	-26	20	0	0	0	1	21	
24	4989.53	12,659	-27	20	0	0	0	1	21	
25	4989.47	12,620	-39	20	0	0	0	1	21	
26	4989.41	12,580	-40	20	0	0	0	2	22	
27	4989.37	12,554	-26	20	0	0	0	2	22	
28	4989.33	12,528	-26	20	0	0	0	2	22	
29	4989.29	12,502	-26	20	0	0	0	2	22	
30	4989.22	12,456	-46	20	0	0	0	2	22	
31	4989.17	12,424	-32	20	0	0	0	2	22	
Total cfs-days				---	620	0	0	37	657	
Total ac-ft				-986	1,230	0	0	73	1,303	
									317	

Table 2. Frenchman Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 55,477 ac-ft

December 2007

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract 1/	Water Right				
Nov 30	5569.23	30,526								
1	5569.20	30,493	-33	2	2	0	0	2	6	
2	5569.17	30,461	-32	2	2	0	0	2	6	
3	5569.16	30,450	-11	2	2	0	0	2	6	
4	5569.19	30,483	33	2	2	0	0	2	6	
5	5569.18	30,472	-11	2	2	0	0	2	6	
6	5569.19	30,483	11	2	2	0	0	2	6	
7	5569.20	30,493	10	2	2	0	0	2	6	
8	5569.20	30,493	0	2	2	0	0	2	6	
9	5569.19	30,483	-10	2	2	0	0	2	6	
10	5569.18	30,472	-11	2	1	0	0	2	5	
11	5569.17	30,461	-11	2	0	0	0	2	4	
12	5569.18	30,472	11	2	0	0	0	2	4	
13	5569.17	30,461	-11	2	0	0	0	2	4	
14	5569.17	30,461	0	2	0	0	0	2	4	
15	5569.17	30,461	0	2	0	0	0	2	4	
16	5569.15	30,439	-22	2	0	0	0	2	4	
17	5569.16	30,450	11	2	0	0	0	2	4	
18	5569.20	30,493	43	2	0	0	0	2	4	
19	5569.20	30,493	0	2	0	0	0	2	4	
20	5569.21	30,504	11	2	0	0	0	2	4	
21	5569.21	30,504	0	2	0	0	0	2	4	
22	5569.22	30,515	11	2	0	0	0	2	4	
23	5569.24	30,537	22	2	0	0	0	2	4	
24	5569.22	30,515	-22	2	0	0	0	2	4	
25	5569.22	30,515	0	2	0	0	0	2	4	
26	5569.22	30,515	0	2	0	0	0	2	4	
27	5569.23	30,525	10	2	0	0	0	2	4	
28	5569.24	30,537	12	2	0	0	0	2	4	
29	5569.26	30,558	21	2	0	0	0	2	4	
30	5569.23	30,526	-32	2	0	0	0	1	3	
31	5569.23	30,526	0	2	0	0	0	1	3	
Total cfs-days				---	62	19	0	60	141	
Total ac-ft				0	123	38	0	119	280	

1/ Last Chance Creek Water District

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

December 2007

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract	Water Right 1/				
Nov 30	5762.26	41,502								
1	5762.23	41,421	-81	0	0	0	0	5	5	
2	5762.22	41,394	-27	0	0	0	0	5	5	
3	5762.21	41,321	-73	0	0	0	0	5	5	
4	5762.25	41,475	154	0	0	0	0	5	5	
5	5762.25	41,475	0	0	0	0	0	5	5	
6	5762.26	41,502	27	0	0	0	0	5	5	
7	5762.30	41,610	108	0	0	0	0	5	5	
8	5762.30	41,610	0	0	0	0	0	5	5	
9	5762.30	41,610	0	0	0	0	0	5	5	
10	5762.28	41,556	-54	0	0	0	0	5	5	
11	5762.27	41,529	-27	0	0	0	0	5	5	
12	5762.27	41,529	0	0	0	0	0	5	5	
13	5762.27	41,529	0	0	0	0	0	5	5	
14	5762.26	41,502	-27	0	0	0	0	5	5	
15	5762.25	41,475	-27	0	0	0	0	5	5	
16	5762.26	41,502	27	0	0	0	0	5	5	
17	5762.28	41,556	54	0	0	0	0	5	5	
18	5762.30	41,610	54	0	0	0	0	5	5	
19	5762.32	41,664	54	0	0	0	0	5	5	
20	5762.37	41,799	135	0	0	0	0	5	5	
21	5762.37	41,799	0	0	0	0	0	5	5	
22	5762.37	41,799	0	0	0	0	0	5	5	
23	5762.37	41,799	0	0	0	0	0	5	5	
24	5762.38	41,826	27	0	0	0	0	5	5	
25	5762.38	41,826	0	0	0	0	0	5	5	
26	5762.40	41,880	54	0	0	0	0	5	5	
27	5762.41	41,908	28	0	0	0	0	4	4	
28	5762.40	41,880	-28	0	0	0	0	4	4	
29	5762.40	41,880	0	0	0	0	0	4	4	
30	5762.40	41,880	0	0	0	0	0	4	4	
31	5762.42	41,935	55	0	0	0	0	4	32	
Total cfs-days				---	0	0	0	150	150	
Total ac-ft				433	0	0	0	297	297	
368										
730										

1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli)

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

December 2007

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow							Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Lime Saddle Marina	Butte County Del Oro	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/
Nov 30	702.70	1,275,358										
	1	702.25	1,271,887	-3,471	10,178	6	0	0	28	0	10,212	0
	2	701.35	1,267,270	-4,617	5,416	6	0	0	37	0	5,459	0
	3	701.05	1,262,665	-4,605	4,704	6	0	0	58	0	4,768	0
	4	701.03	1,262,511	-154	5,920	6	0	0	64	0	5,990	0
	5	700.85	1,261,132	-1,379	5,273	6	0	0	0	0	5,279	0
	6	700.86	1,261,209	77	5,208	3	0	0	0	0	5,211	0
	7	700.70	1,259,983	-1,226	6,291	2	0	0	26	0	6,319	0
	8	700.43	1,257,917	-2,066	4,414	2	0	0	37	0	4,453	0
	9	700.44	1,257,994	77	8,102	2	0	0	84	0	8,188	0
	10	699.64	1,251,890	-6,104	8,567	2	0	0	32	0	8,601	0
	11	698.87	1,246,029	-5,861	5,918	2	0	0	58	0	5,978	0
	12	698.69	1,244,661	-1,368	5,363	2	0	0	47	0	5,412	0
	13	698.38	1,242,309	-2,352	6,327	2	0	0	10	0	6,339	0
	14	697.89	1,238,597	-3,712	8,786	2	0	0	26	0	8,814	0
	15	697.45	1,236,026	-2,571	2,709	2	0	0	5	0	2,716	0
	16	697.65	1,236,782	756	3,760	2	0	0	26	0	3,788	0
	17	697.79	1,237,840	1,058	6,238	2	0	0	0	0	6,240	0
	18	697.55	1,236,026	-1,814	3,730	2	0	0	26	0	3,758	0
	19	697.98	1,239,278	3,252	7,894	2	0	0	16	0	7,912	0
	20	698.00	1,239,430	152	5,384	2	0	0	47	0	5,433	0
	21	697.95	1,239,051	-379	5,767	2	0	0	21	0	5,790	0
	22	697.84	1,238,219	-832	4,537	2	0	0	37	0	4,576	0
	23	697.92	1,238,824	605	6,380	2	0	0	5	0	6,387	0
	24	697.65	1,236,782	-2,042	3,577	2	0	0	16	0	3,595	0
	25	697.75	1,237,538	756	3,647	2	0	0	42	0	3,691	0
	26	697.60	1,236,404	-1,134	6,656	2	0	0	31	0	6,689	0
	27	697.50	1,235,648	-756	6,734	2	0	0	42	0	6,778	0
	28	697.00	1,231,875	-3,773	7,308	2	0	0	0	0	7,310	0
	29	696.70	1,229,616	-2,259	4,844	2	0	0	0	0	4,846	0
	30	696.67	1,229,390	-226	5,750	2	0	0	5	0	5,757	0
	31	696.33	1,226,833	-2,557	3,830	2	0	1	10	0	3,843	0
Total				-48,525	179,212	90	0	1	836	0	180,139	0
1/ Includes bypass flows												
2/ South Feather Water and Power Agency												
3/ Evaporation will be zero for days when there is precipitation or heavy overcast.												
4/ Does not include pumpback.												

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Capacity: 25,120 ac-ft

Daily Operation
(in acre-feet except as noted)

December 2007

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County Cal Water	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Nov 30	24,273										
1	23,956	-317	10,178	458	0	9,912	0	0	1,179	0	138
2	24,110	154	5,416	490	0	4,360	0	0	1,181	0	-211
3	24,727	617	4,704	373	0	3,036	0	0	1,181	0	-243
4	24,446	-281	5,920	428	0	5,656	0	0	1,180	0	207
5	24,459	13	5,273	408	0	4,568	0	0	1,207	0	107
6	24,309	-150	5,208	481	0	4,816	0	0	1,191	0	168
7	24,232	-77	6,291	488	0	5,775	0	0	1,165	0	84
8	24,351	119	4,414	380	0	3,500	0	0	1,159	0	-16
9	24,582	231	8,102	421	0	7,200	0	0	1,153	0	61
10	24,643	61	8,567	506	0	7,774	0	0	1,163	0	-75
11	24,748	105	5,918	493	0	4,830	0	0	1,166	0	-310
12	24,065	-683	5,363	361	0	4,672	0	0	1,156	0	-579
13	23,738	-327	6,327	153	0	5,116	0	0	1,171	0	-520
14	23,728	-10	8,786	45	0	7,132	0	0	1,194	0	-515
15	23,651	-77	2,709	155	0	1,174	0	0	1,206	0	-561
16	23,963	312	3,760	17	0	1,732	0	0	1,202	0	-531
17	24,027	64	6,238	217	0	4,669	0	0	1,201	0	-521
18	24,216	189	3,730	0	0	2,116	0	0	1,201	0	-224
19	23,842	-374	7,894	234	0	7,104	0	0	1,187	0	-211
20	24,139	297	5,384	453	0	3,796	0	0	1,187	0	-557
21	24,204	65	5,767	371	0	4,276	0	0	1,191	0	-606
22	23,794	-410	4,537	343	0	3,294	0	0	1,165	0	-831
23	23,789	-5	6,380	208	0	4,924	0	0	1,170	0	-499
24	24,173	384	3,577	83	0	1,506	0	0	1,206	0	-564
25	23,635	-538	3,647	0	0	2,394	0	0	1,200	0	-591
26	24,093	458	6,656	0	0	4,408	0	0	1,200	0	-590
27	24,520	427	6,734	42	0	4,768	0	0	1,189	0	-392
28	24,787	267	7,308	37	0	5,354	0	0	1,183	0	-541
29	24,703	-84	4,844	182	0	3,352	0	0	1,179	0	-579
30	24,293	-410	5,750	74	0	4,556	0	0	1,181	0	-497
31	24,569	276	3,830	93	0	2,152	0	0	1,188	0	-307
Total		296	179,212	7,994	0	139,922	0	0	36,682	0	-10,306

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

December 2007

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Nov 30	134.04	46,878										
1	134.93	50,453	3,575	9,912	1,936	12	649	1,127	2,856	0	243	4,035
2	134.34	48,070	-2,383	4,360	1,926	12	649	1,125	2,856	0	-175	4,037
3	133.47	44,646	-3,424	3,036	1,980	12	639	1,117	2,836	0	124	4,017
4	133.23	43,720	-926	5,656	2,003	14	619	1,071	2,836	0	-40	4,016
5	132.75	41,897	-1,823	4,568	1,956	16	600	980	2,836	0	-3	4,043
6	132.47	40,850	-1,047	4,816	1,926	16	585	772	2,737	0	173	3,928
7	132.46	40,812	-38	5,775	1,898	12	581	577	2,658	0	-87	3,823
8	131.78	38,322	-2,490	3,500	1,880	7	580	540	2,658	0	-325	3,817
9	132.25	40,036	1,714	7,200	1,884	7	585	541	2,658	0	189	3,811
10	132.86	42,311	2,275	7,774	1,833	7	581	522	2,559	0	3	3,722
11	132.76	41,934	-377	4,830	1,771	7	500	526	2,460	0	57	3,626
12	132.59	41,297	-637	4,672	1,740	8	446	551	2,460	0	-105	3,616
13	132.49	40,924	-373	5,116	1,724	10	434	571	2,460	0	-290	3,631
14	133.07	43,108	2,184	7,132	1,732	12	438	547	2,360	0	141	3,554
15	132.04	39,266	-3,842	1,174	1,732	12	430	512	2,261	0	-69	3,467
16	131.16	36,115	-3,151	1,732	1,722	12	428	512	2,261	0	52	3,463
17	131.11	35,940	-175	4,669	1,710	12	428	480	2,241	0	27	3,442
18	130.42	33,562	-2,378	2,116	1,676	12	400	420	2,162	0	176	3,363
19	131.32	36,679	3,117	7,104	1,660	12	400	377	2,043	0	505	3,230
20	131.01	35,590	-1,089	3,796	1,660	12	397	355	2,043	0	-419	3,230
21	131.01	35,590	0	4,276	1,632	12	395	353	1,946	0	62	3,137
22	130.73	34,621	-969	3,294	1,623	12	393	353	1,843	0	-40	3,008
23	130.92	35,277	656	4,924	1,623	12	389	353	1,845	0	-47	3,015
24	130.04	32,285	-2,992	1,506	1,615	12	389	353	1,847	0	-283	3,053
25	129.52	30,575	-1,710	2,394	1,623	11	389	355	1,851	0	125	3,051
26	129.52	30,575	0	4,408	1,624	11	389	371	1,847	0	-166	3,047
27	129.72	31,227	652	4,768	1,621	11	393	397	1,849	0	155	3,038
28	130.12	32,551	1,324	5,354	1,626	11	395	397	1,769	0	168	2,952
29	129.91	31,853	-698	3,352	1,617	11	397	395	1,654	0	24	2,833
30	130.05	32,318	465	4,556	1,623	11	395	395	1,658	0	-9	2,839
31	129.45	30,348	-1,970	2,152	1,624	9	397	395	1,650	0	-47	2,838
Total		-16,530		139,922	54,200	342	14,690	17,340	70,000	0	120	106,682

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

Table 7. Oroville-Thermalito Complex

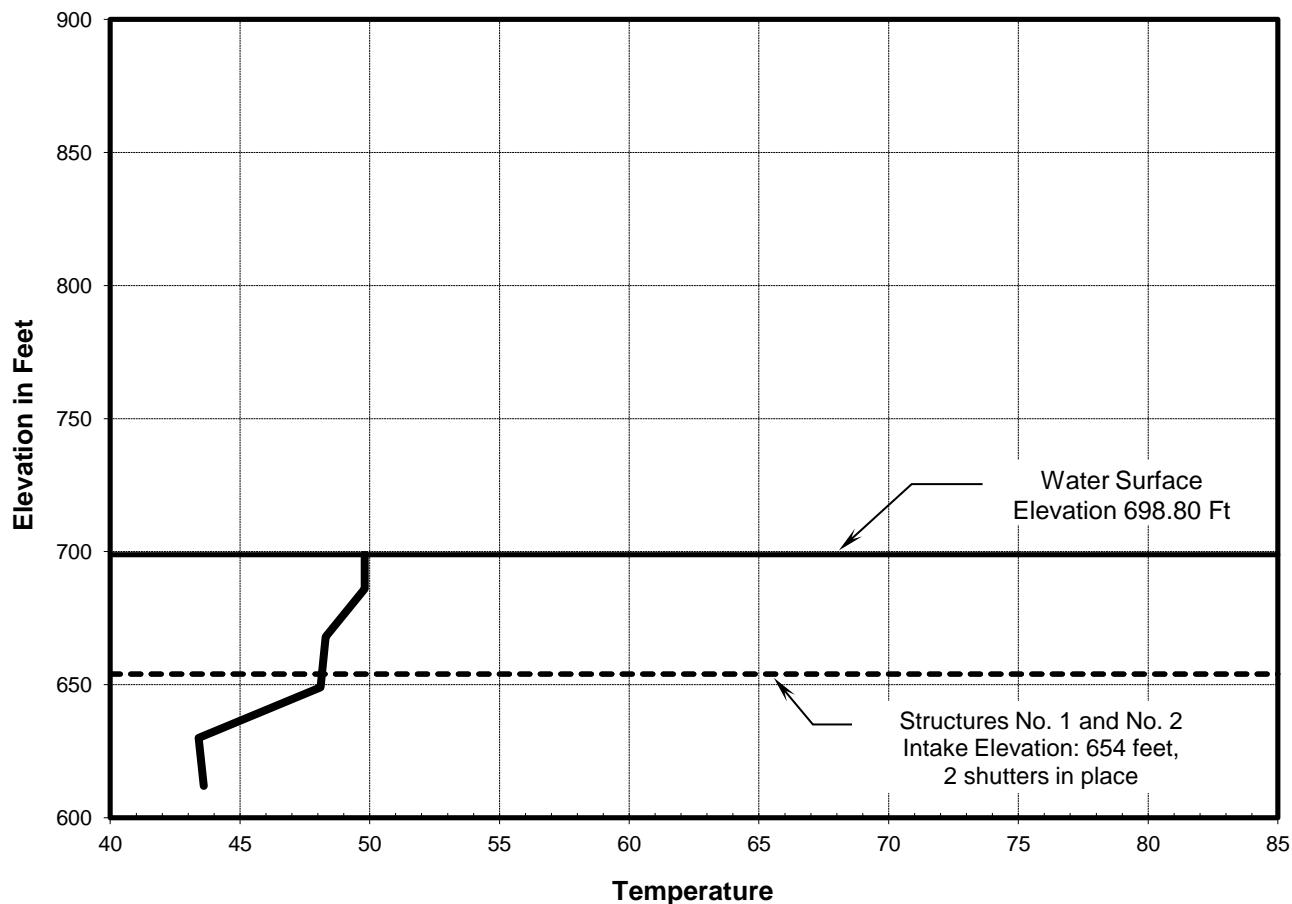
Water Temperature Data

(in degrees Fahrenheit)

December 2007

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	48	49
2	48	48
3	48	47
4	48	47
5	49	48
6	49	48
7	49	48
8	48	47
9	47	48
10	47	48
11	46	48
12	46	47
13	45	47
14	45	46
15	45	46
16	45	46
17	45	46
18	46	46
19	46	45
20	46	45
21	45	45
22	45	44
23	45	44
24	45	45
25	44	45
26	43	44
27	42	44
28	42	44
29	42	44
30	42	44
31	41	44

**Lake Oroville Temperature Profile
on December 13, 2006**



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)		December 2007								
Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		Mile			Table A	Permit	Article 21		
	No.	Structure								
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	2,908	1/ 2	514	791		
		Travis Surge Tank	8.78							
			8.80	Solano County Water Agency Travis AFB	45					
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	137					
				Solano County Water Agency Fairfield / Vacaville 42"	302					
			17.00	Solano County Water Agency Central Solano	Stub					
3A	2	Cordelia Forebay	21.23			1	666	131		
		Cordelia Pumping Plant & Cordelia Spillway	21.30		2,326					
		Napa Pipeline	21.33	Solano County Water Agency Vallejo	516					
				Solano County Water Agency Benicia	791					
		Cordelia Surge Tank	23.33							
		Creston Surge Tank Connection	25.65							
3B	2		26.95	Napa County Flood Control & WCD American Canyon 2	1	221				
			27.27	Napa County Flood Control & WCD American Canyon 3	0					
		Napa Terminal Tank	27.58	City of Napa	797					
			27.60	Napa County Flood Control & WCD American Canyon 1	221					

1/ Napa Co. FC&WCD entitlement through Solano Co.'s turnout (Reach 3A) for delivery to American Canyon.

Table 9. Delta Field Division Plant Data

(in acre-feet)

December 2007

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	133	116	5,456	5,456	442	0	0	0
2	145	129	4,742	4,742	443	0	0	0
3	72	69	4,588	4,588	443	0	0	0
4	98	88	6,110	6,110	432	0	0	0
5	53	51	4,146	4,146	303	0	0	0
6	113	102	6,621	6,621	384	0	0	0
7	106	96	9,374	9,374	379	0	0	0
8	105	101	11,379	11,379	379	0	0	0
9	106	102	11,848	11,848	385	0	0	0
10	105	99	9,095	9,095	373	0	0	0
11	83	80	8,581	8,581	265	0	0	0
12	91	78	8,573	8,573	322	0	49	0
13	101	88	8,419	8,419	366	0	0	0
14	93	83	9,865	9,865	362	0	0	0
15	76	66	6,205	6,205	347	0	0	0
16	85	62	6,705	6,705	347	0	0	0
17	91	58	6,080	6,080	359	0	0	0
18	92	61	6,671	6,671	345	0	0	0
19	96	66	6,875	6,875	316	0	0	0
20	92	61	6,741	6,741	324	0	0	0
21	87	57	6,717	6,717	328	0	0	0
22	89	61	6,665	6,665	330	0	0	0
23	88	62	4,213	4,213	338	0	0	0
24	90	62	4,390	4,390	282	0	0	0
25	87	61	6,363	6,363	325	0	0	0
26	89	59	4,806	4,806	309	0	0	0
27	100	70	7,911	7,911	291	0	0	0
28	88	58	4,010	4,010	331	0	0	0
29	75	55	2,632	2,632	317	0	0	0
30	89	61	2,665	2,665	236	0	0	0
31	90	64	2,629	2,629	331	0	0	0
Total	2,908	2,326	201,075	201,075	10,734	0	49	0

Table 10. Clifton Court Forebay

Daily Operation of Gates

December 2007

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	1:18	4:50	9:00	14:06					4,918
2	0:30	6:00	9:30	11:58					3,925
3	2:00	7:24	9:55	11:30	14:45	16:30			4,733
4	0:03	7:20	17:15	20:55					5,939
5	6:30	9:00	17:50	22:30					4,785
6	7:30	10:45	16:04	19:26					5,928
7	2:00	14:15	16:45	19:20					10,884
8	2:30	15:00	16:43	20:20					11,873
9	4:45	15:45	18:00						12,580
10		0:15	3:30	13:15	18:30	22:40			8,913
11	4:15	13:45	19:00	22:30					8,908
12	5:00	14:30	19:45						8,878
13		0:26	6:00	15:15	20:30				8,877
14		1:04	7:10	16:15	21:15				8,879
15		2:05	7:00	14:00					6,205
16	0:01	2:20	7:45	12:45	23:50				4,682
17		5:30	8:30	11:15					5,941
18	1:00	7:15	13:45	17:56					6,932
19	0:01	7:15	14:30	19:35					6,922
20	0:01	9:15	15:45	16:50					6,916
21	0:45	10:00	16:00	21:00					6,937
22	1:45	11:00	16:45	17:30					6,923
23	2:30	9:00							4,945
24	4:26	12:45	18:15	22:30					4,938
25	0:01	1:00	4:00	11:00					4,942
26	0:01	1:45	4:45	10:30					4,943
27	0:01	2:30	5:30	9:36	10:18	13:45	20:45	23:59	8,993
28	13:00	16:45							2,764
29	0:01	3:34	13:45	15:45					2,766
30	0:45	4:37	12:30	16:15					2,751
31	2:00	5:30	15:00	23:50					2,765
Total inflow for the month in AF:									201,285

Table 11. Governor Edmund G. Brown California Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

December 2007

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Table A	USBR	Local	Advanced Table A	Local Other		
	No.	Structure										
			1.83	Byron-Bethany I.D.	124					124		
1	1	Banks Pumping Plant	3.32		201,075							
		South Bay Pumping Plant	4.49	Bethany Reservoir (Into the South Bay Aquaduct)	10,734							
		Check No. 1	5.95									
			8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	0							
	2	Check No. 2	12.01									
			12.47	Musco Olive	27					27		
		Check No. 3	18.29									
	3		22.16	Tracy Golf & Country Club	0							
		Check No. 4	23.99									
	4	Check No. 5	29.73									
	5	Check No. 6	34.24									
	6		35.22	Turlock Fruit Company Inflow	0							
		Check No. 7	39.91									
2A	7		42.46	Oak Flat Water District-A	7					7		
			42.9	Western Hills WD	22							
			43.81	Oak Flat Water District-B	0							
			44.64	Oak Flat Water District-C	0							
		Check No. 8	45.97									
	8		46.18	Oak Flat Water District-D	0							
				Oak Flat Totals:	7							
	9	Check No. 9	51.3									
		Check No. 10	56.86									
		Check No. 11	61.4									
	10		66.14	Veteran's Cemetery	11							
		Check No. 12	66.71		190,702							
2B												

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

December 2007

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A	Local	Recovery	Transfer	Recreation	
	No.	Structure	Mile								
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	10,734	2	1				
			3.17	Granite - Vasco Rd. (Temp.)	0						
			3.18	Oakland Scavenger Zone 7	2						
		Check No. 1	3.91								
	2	Check No. 2	5.21			316					
			7.21	Zone 7 Water Agency Altamont	1						
		Check No. 3	9.49	Zone 7 Water Agency Patterson Inflow Exchange Project Water	0						
2	4	Check No. 4	10.68			1					
		Check No. 5	12.29								
	6		13.55	Zone 7 Water Agency Wente #1	1	3					
			14.16	Zone 7 Water Agency Wente #2	3						
			14.31	Zone 7 Water Agency Ising	1						
		Check No. 6	14.65								
	7		14.78	Zone 7 Water Agency Arroyo Mocho Project Water	0	1					
		Check No. 7	16.38								
	8		16.57	Zone 7 Water Agency Wente #3	0	17					
			16.63	Zone 7 Water Agency Wente #4	17						
			16.69	Zone 7 Water Agency Norman Nursery	0						
			16.70	Zone 7 Water Agency Concannon Project Water	0						
		Del Valle Branch Pipeline Junction		Pumped into Lake Del Valle	0						
			18.63	Pumped into South Bay Aqueduct	49						
				Gravity into South Bay Aqueduct	0						
		Deliveries through Del Valle Branch Pipeline		Zone 7 Water Agency Arroyo Valle #1 & #2 Storage Exchange Inflow Release	246	246				4	
				East Bay Regional Park Dist. Del Valle Recreation	4						
				Zone 7 Water Agency Wente #5	5						
			19.20	Zone 7 Water Agency So. Livermore Project Storage Exchange Project Water	0						
	6		19.21	Zone 7 - Kalthrof Detjens	2,005	2,005					
		La Costa Tunnel	22.50	ACWD - Vallecitos Project Water	2						
			25.97	City of San Francisco San Antonio	0						
	7	Mission Tunnel	28.97	ACWD - Bayside 1 & 2 Project Water Storage Exchange	1,823	619	1/ 1,204				
	8	Santa Clara Pipeline	35.86	S.C.V.W.D. Meter	6,349						
	9					2,522	1/ 3,827				

1/ Semitropic Bank Recovery

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

December 2007

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct 2/	Recreation Deliveries 3/	Evaporation	Total Outflow	
Nov 30	687.25	29,752									
1	687.23	29,741	-12	-9	0	0	0	1	2	3	0.00
2	687.20	29,723	-18	-14	0	0	0	1	3	4	0.00
3	687.18	29,712	-11	-5	0	0	0	1	5	6	0.00
4	687.15	29,694	-18	-17	0	0	0	1	0	1	0.19
5	687.09	29,660	-34	-30	0	0	0	0	4	4	0.00
6	687.03	29,625	-35	-34	0	0	0	0	1	1	0.05
7	686.97	29,590	-35	-31	0	0	0	0	4	4	0.82
8	686.91	29,556	-35	-33	0	0	0	0	1	1	0.00
9	686.87	29,532	-24	-21	0	0	0	0	3	3	0.00
10	686.83	29,509	-23	-20	0	0	0	0	3	3	0.00
11	686.80	29,492	-17	-14	0	0	0	0	3	3	0.00
12	686.78	29,481	-11	42	0	0	49	0	4	53	0.00
13	686.77	29,475	-6	-5	0	0	0	0	1	1	0.00
14	686.76	29,469	-6	-4	0	0	0	0	2	2	0.00
15	686.75	29,463	-6	-3	0	0	0	0	3	3	0.00
16	686.74	29,458	-6	-3	0	0	0	0	2	2	0.00
17	686.74	29,458	0	1	0	0	0	0	1	1	0.15
18	686.76	29,469	12	13	0	0	0	0	2	2	0.19
19	686.78	29,481	12	12	0	0	0	0	0	0	0.08
20	686.77	29,475	-6	-4	0	0	0	0	2	2	0.20
21	686.78	29,481	6	8	0	0	0	0	2	2	0.00
22	686.76	29,469	-12	-9	0	0	0	0	3	3	0.00
23	686.76	29,469	0	1	0	0	0	0	1	1	0.00
24	686.80	29,492	23	27	0	0	0	0	4	4	0.00
25	686.80	29,492	0	3	0	0	0	0	3	3	0.00
26	686.75	29,463	-29	-27	0	0	0	0	2	2	0.01
27	686.72	29,446	-17	-14	0	0	0	0	3	3	0.00
28	686.72	29,446	0	0	0	0	0	0	0	0	0.05
29	686.70	29,434	-12	-12	0	0	0	0	0	0	0.06
30	686.70	29,434	0	0	0	0	0	0	0	0	0.01
31	686.70	29,434	0	3	0	0	0	0	2	2	0.00
Total		-318	-198	0	0	49	4	67	120	1.81	

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ Project water released to South Bay Aqueduct through Del Valle Pumping Plant.

3/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

December 2007

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/		
Nov 30	223.03	51,126											
1	223.42	52,169	1,043	0	2,995	0	2,469	0	3,157	1,958	2	179	
2	221.20	46,285	-5,884	0	2,973	0	2,513	0	5,345	3,005	2	-100	
3	222.33	49,261	2,976	0	2,961	0	1,952	0	2,557	861	2	7	
4	222.00	48,385	-876	0	3,152	0	2,500	0	5,170	980	2	58	
5	222.67	50,166	1,781	0	3,145	0	1,752	0	3,360	887	2	250	
6	222.36	49,341	-825	0	3,200	0	3,367	0	5,502	1,698	0	217	
7	222.29	49,155	-186	0	3,225	0	4,498	0	6,655	1,173	0	11	
8	223.07	51,233	2,078	0	3,254	0	5,109	0	6,499	1,039	0	223	
9	221.93	48,203	-3,030	0	3,291	0	6,407	0	10,445	814	0	33	
10	223.49	52,357	4,154	0	3,174	0	4,305	0	4,928	608	0	151	
11	224.03	53,807	1,450	0	3,530	0	4,615	0	7,055	870	0	511	
12	223.10	51,313	-2,494	0	3,680	0	3,976	0	8,245	800	1	133	
13	223.34	51,955	642	0	3,689	0	3,720	0	6,155	1,087	0	157	
14	223.07	51,233	-722	0	3,733	0	4,835	0	7,589	1,402	0	59	
15	222.31	49,208	-2,025	0	3,665	0	2,902	0	6,549	1,175	0	136	
16	219.03	40,660	-8,548	0	3,217	0	3,231	0	9,827	1,023	0	92	
17	219.19	41,068	408	0	3,051	0	2,856	0	4,609	1,220	0	128	
18	219.68	42,325	1,257	0	3,162	0	3,080	0	4,383	1,253	0	28	
19	218.32	38,870	-3,455	0	3,254	0	3,587	0	7,698	903	1	19	
20	219.11	40,864	1,994	0	3,177	0	3,714	0	5,235	1,234	0	583	
21	220.99	45,734	4,870	0	3,159	0	2,737	0	2,138	1,286	0	-17	
22	221.96	48,282	2,548	0	2,802	0	3,335	0	3,864	1,294	0	306	
23	217.11	35,901	-12,381	0	2,172	0	2,076	0	8,390	2,415	0	315	
24	218.56	39,473	3,572	0	2,148	0	1,858	0	1,012	1,309	0	116	
25	220.12	43,463	3,990	0	2,098	0	2,810	0	1,979	796	0	-121	
26	219.19	41,068	-2,395	0	2,144	0	2,450	0	5,252	911	0	362	
27	219.93	42,971	1,903	0	2,088	0	3,550	0	3,999	746	0	66	
28	220.88	45,446	2,475	0	1,048	0	1,950	0	1,010	956	7	223	
29	221.01	45,787	341	0	551	0	1,187	0	558	1,014	7	13	
30	219.86	42,790	-2,997	0	637	0	1,442	0	1,352	2,414	7	183	
31	220.58	44,661	1,871	0	606	2,282	1,361	0	1,010	2,015	7	-274	
Total				-6,465	0	84,981	2,282	96,144	0	151,527	39,146	40	4,047
Mean cfs				---	0	2,741	74	3,101	0	4,888	1,263	1	131
Acre-feet				-6,465	0	168,558	4,527	190,702	0	300,547	77,646	79	8,020

1/ Pump-in located at Mile 79.67R.

2/ Includes 27 AF delivered to DFG at O'Neill Forebay, 0 AF to Parks & Rec., 0 AF to the Cattle Program and 52 AF to San Luis Water District.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

December 2007

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 2,027,835 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)	Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.	
Nov 30	456.64	1,038,843						
1	457.20	1,044,524	5,681	3,157	0	0	0	-293
2	458.20	1,054,694	10,170	5,345	0	0	0	-218
3	458.60	1,058,771	4,077	2,557	0	0	0	-502
4	459.53	1,068,270	9,499	5,170	0	0	0	-381
5	460.14	1,074,516	6,246	3,360	0	0	0	-211
6	461.21	1,085,501	10,985	5,502	0	0	0	36
7	462.36	1,097,347	11,846	6,655	0	0	0	-683
8	463.50	1,109,132	11,785	6,499	0	0	0	-557
9	465.40	1,128,864	19,732	10,445	0	0	0	-497
10	466.26	1,137,832	8,968	4,928	0	0	0	-407
11	467.44	1,150,175	12,343	7,055	0	0	0	-832
12	468.81	1,164,559	14,384	8,245	0	0	0	-993
13	469.96	1,176,677	12,118	6,155	0	0	0	-46
14	471.30	1,190,848	14,171	7,589	0	0	0	-445
15	472.40	1,202,522	11,674	6,549	0	0	0	-663
16	474.15	1,221,168	18,646	9,827	0	0	0	-426
17	474.93	1,229,508	8,340	4,609	0	0	0	-404
18	475.76	1,238,403	8,895	4,383	0	0	0	101
19	477.11	1,252,948	14,545	7,698	0	0	0	-365
20	478.00	1,262,555	9,607	5,235	0	0	0	-392
21	478.32	1,266,015	3,460	2,138	0	0	0	-394
22	478.97	1,273,053	7,038	3,864	0	0	0	-316
23	480.40	1,288,583	15,530	8,390	0	0	0	-560
24	480.60	1,290,760	2,177	1,012	0	0	0	86
25	480.90	1,294,028	3,268	1,979	0	0	0	-331
26	481.73	1,303,083	9,055	5,252	0	0	0	-687
27	482.40	1,310,407	7,324	3,999	0	0	0	-307
28	482.56	1,312,159	1,752	1,010	0	4	0	-123
29	482.64	1,313,034	875	558	0	9	0	-108
30	482.82	1,315,006	1,972	1,352	0	33	0	-325
31	482.64	1,313,034	-1,972	1,010	2,282	9	0	287
Total			274,191	151,527	2,282	55	0	-10,956
Mean cfs			---	4,888	74	2	0	-353
Acre-feet			274,191	300,547	4,527	108	0	-29,066

1/ Pacheco Tunnel, San Felipe Split; Santa Clara 108 AF, Casa De Fruta 0 AF, and San Benito 0 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

December 2007

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant			San Felipe Project	
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	3,884	3,475	0	0	6,261	2,246	0
2	5,960	5,781	0	0	10,601	3,909	0
3	1,707	1,509	0	0	5,072	1,782	0
4	1,943	1,762	0	0	10,255	2,602	0
5	1,759	1,582	0	0	6,665	-1,053	0
6	3,367	3,187	0	0	10,913	1,734	0
7	2,326	2,147	0	0	13,201	4,437	0
8	2,061	1,883	0	0	12,890	5,999	0
9	1,615	1,440	0	0	20,718	10,184	0
10	1,206	1,029	0	0	9,775	5,540	0
11	1,725	1,551	0	0	13,994	6,969	0
12	1,587	1,408	0	0	16,353	7,793	0
13	2,157	1,980	0	0	12,208	5,241	0
14	2,781	2,601	0	0	15,052	6,955	0
15	2,331	2,154	0	0	12,989	5,053	0
16	2,030	1,855	0	0	19,491	12,278	0
17	2,420	2,253	0	0	9,141	3,305	0
18	2,485	2,318	0	0	8,693	1,974	0
19	1,791	1,469	0	0	15,268	8,486	0
20	2,448	2,116	0	0	10,384	4,660	0
21	2,551	2,213	0	0	4,241	1,124	0
22	2,566	2,211	0	0	7,665	1,289	0
23	4,791	4,447	0	0	16,641	8,913	0
24	2,596	2,263	0	0	2,008	-287	0
25	1,579	1,242	0	0	3,926	711	0
26	1,807	1,468	0	0	10,417	6,737	0
27	1,480	1,143	0	0	7,932	2,034	0
28	1,896	1,554	0	0	2,003	2,003	8
29	2,012	1,670	0	0	1,106	1,106	18
30	4,788	4,267	0	0	2,681	-21	65
31	3,997	3,486	4,527	4,527	2,003	7	17
Total	77,646	69,464	4,527	4,527	300,547	123,710	108

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations
December 2007

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Nov 30	322.36	18,107					
1	322.33	18,094	-13	0	0	0	-13
2	322.32	18,090	-4	0	0	0	-4
3	322.33	18,094	4	2	0	0	0
4	322.33	18,094	0	0	0	0	0
5	322.33	18,094	0	0	0	0	0
6	322.33	18,094	0	0	0	0	0
7	322.34	18,099	5	3	0	0	-1
8	322.33	18,094	-5	0	0	0	-5
9	322.31	18,085	-9	0	0	0	-9
10	322.31	18,085	0	0	0	0	0
11	322.30	18,081	-4	0	0	0	-4
12	322.29	18,077	-4	0	0	0	-4
13	322.28	18,072	-5	0	0	0	-5
14	322.28	18,072	0	0	0	0	0
15	322.28	18,072	0	0	0	0	0
16	322.28	18,072	0	0	0	0	0
17	322.28	18,072	0	0	0	0	0
18	322.28	18,072	0	0	0	0	0
19	322.28	18,072	0	0	0	0	0
20	322.28	18,072	0	0	0	0	0
21	322.26	18,064	-8	0	0	0	-8
22	322.25	18,059	-5	0	0	0	-5
23	322.25	18,059	0	0	0	0	0
24	322.24	18,055	-4	0	0	0	-4
25	322.24	18,055	0	0	0	0	0
26	322.22	18,046	-9	0	0	0	-9
27	322.21	18,042	-4	0	0	0	-4
28	322.21	18,042	0	0	0	0	0
29	322.22	18,046	4	2	0	0	0
30	322.22	18,046	0	0	0	0	0
31	322.20	18,037	-9	0	0	0	-9
Total			-70	7	0	0	-84
Mean cfs			---	0	0	0	---
Acre-feet			-70	14	0	0	-84

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

December 2007

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 5,580 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft) 1/	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
Nov 30	600.75	723			0	0	
1	Not observed			0	0	0	
2	600.80	725	2	1	0	0	0
3	Not observed			0	0	0	
4	Not observed			0	0	0	
5	Not observed			0	0	0	
6	Not observed			0	0	0	
7	Not observed			0	0	0	
8	Not observed			0	0	0	
9	Not observed			0	0	0	
10	Not observed			0	0	0	
11	601.10	741	16	8	0	0	0
12	Not observed			0	0	0	
13	Not observed			0	0	0	
14	601.15	741	0	0	0	0	0
15	Not observed			0	0	0	
16	Not observed			0	0	0	
17	Not observed			0	0	0	
18	Not observed			0	0	0	
19	Not observed			0	0	0	
20	Not observed			0	0	0	
21	601.25	741	0	0	0	0	0
22	Not observed			0	0	0	
23	Not observed			0	0	0	
24	Not observed			0	0	0	
25	Not observed			0	0	0	
26	Not observed			0	0	0	
27	Not observed			0	0	0	
28	Not observed			0	0	0	
29	Not observed			0	0	0	
30	Not observed			0	0	0	
31	601.25	741	0	0	0	0	0
Total			18	9	0	0	0
Mean cfs			---	0	0	0	---
Acre-feet			18	18	0	0	0

1/ Not available on a daily basis.

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

December 2007

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending		Structure			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
2B	12	Check No. 12	66.71		190,702						
3A	3A	San Luis Reservoir		Department of Parks and Recreation	0	108		0	0		
				San Felipe Division Santa Clara Water District	108						
				Casa de Fruta Santa Clara Water District	0						
				San Felipe Division San Benito Water District	0						
				Reach 3A Subtotal:	108		108	0	0		
				Department of Parks and Recreation	0			0	0		
3	3	O'Neill Forebay	70.85	Cattle Program	0	52		0	0		
				Department of Fish & Game	27						
				70.91							
				Thru San Luis Water District	52						
				85.08	(Floodwater Inflow)						
				Reach 3 Subtotal:	79		52	0	15		
				Dos Amigos Pumping Plant	77,646				12		
4	4	14	89.03	Thru San Luis Water District	40	40	117	41	145		
				94.06							
				89.66							
				Thru Pacheco Water District	117						
				89.67							
				89.68	Panoche Water District						
				89.70	City of Dos Palos						
				Check No. 14	95.06						
				98.15							
				Thru San Luis Water District	59						
4	4	15	98.15	104.20		59	403	912			
				96.15							
				Thru Panoche Water District	403						
				102.64	(Floodwater Inflow)						
				102.64	Broadview Water District						
				105.22							
				Thru Westlands Water District	912						
				108.64							
				Check No.15	108.50						
				Reach 4 Subtotal:	1,717						
				San Felipe Division Total:	108	108	117	0	0		
				Pacheco Water District Total:	117						
				Broadview Water District Total:	0						
				City of Dos Palos Total:	145						
				SLWD Reach 4 Subtotal:	99						
				Panoche Water District Total:	444						
				SLWD Total:	151						
				Westlands WD Reach 4 Subtotal:	912						

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

December 2007

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending		Structure			USBR	Transfer	DWR Recreation	USBR Recreation			
	No.	Structure	Mile									
5	16			(Reverse flow, Kings River)	0	1,052		0	0			
				110.52	Westlands Water District	1,052						
				Thru	Dept. of Fish and Game @ Lat. 4L	0						
				122.05	Dept. of Fish and Game @ Lat. 6L	0						
					Dept. of Fish and Game @ Lat. 7L	0						
			Check No. 16	122.07								
	17			124.18	Westlands Water District	900	900					
				Thru 132.74								
	Check No. 17			132.95								
	18			133.81	Westlands Water District	2,385	2,385					
				Thru 142.61								
				Pleasant Valley Pumping Plant	Westlands Water District	1,239	1,239					
				143.16	City of Coalinga	342	342					
			Check No. 18	143.23								
					Reach 5 Subtotal:	5,918	5,918	0	0			
6	19			GWF Energy	0	1/ 86	1/ 86					
				City of Huron	0							
				145.26	SWP Construction @ Lat. 24R							
				Thru 151.19	Kings County to Lemoore NAS Through WWD	86						
					Kings County through WWD 30L	0						
					Westlands Water District	2,101	2,101					
			Check No. 19	155.64								
					Reach 6 Subtotal:	2,187	2,101	86	0			
7	20			156.34	City of Huron	74	74					
				156.40	SWP Construction @ Lat. 24R	0						
				Thru	Kings County through WWD 31L, 32L, 33L, 34L, 35L, 36L	0						
				163.69	Westlands Water District	747	747					
			Check No. 20	164.69								
	21			164.79	City of Avenal	193	193					
				167.04	Westlands Water District	369						
				Thru 171.67								
			Check No. 21	172.40		63,051						
					Reach 7 Total:	1,383	1,383	0	0			
					SWP Construction Total:	0	0	0	0			
					Westlands WD Total:	9,705	9,705	0	0			
					City of Coalinga Total:	342	342	0	0			
					City of Huron Total:	74	74	0	0			
					Kings County to Lemoore NAS Through WWD	86	0	86	0			
					City of Avenal Total:	193	193	0	0			
Total San Luis Field Division Deliveries:						11,392	11,279	86	15			
1/ Long-term POD from County of Kings to Lemoore Naval Air Base.												

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations
December 2007

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project	Dos Amigos Pumping Plant	San Luis Water District Pools 14 & 15 2/	Panoche Water District Pools 14 & 15	Westlands Water District Pools 15 thru 21 3/	Flow Past Check 21	
Nov 30	28,164								
1	27,900	-264	0	1,958	9	18	153	1,830	-82
2	28,475	575	0	3,005	9	18	153	2,556	20
3	28,466	-9	0	861	9	18	153	480	-205
4	28,278	-188	0	980	9	18	153	810	-85
5	27,721	-557	0	887	9	18	155	942	-44
6	28,575	854	0	1,698	9	15	163	1,024	-56
7	28,898	323	0	1,173	6	14	163	843	16
8	29,016	118	0	1,039	6	14	163	824	27
9	28,917	-99	0	814	6	14	163	760	79
10	28,780	-137	0	608	6	14	163	474	-20
11	28,850	70	0	870	6	14	163	677	25
12	28,485	-365	0	800	6	14	163	775	-26
13	28,280	-205	0	1,087	3	0	163	979	-46
14	28,526	246	0	1,402	4	0	163	1,001	-110
15	29,061	535	0	1,175	4	0	163	622	-116
16	29,303	242	0	1,023	4	0	163	674	-60
17	29,103	-200	0	1,220	4	0	165	1,138	-14
18	29,069	-34	0	1,253	4	0	270	1,151	155
19	28,722	-347	0	903	4	0	270	969	166
20	28,959	237	0	1,234	4	5	161	977	33
21	28,865	-94	0	1,286	7	5	161	1,078	-82
22	28,609	-256	0	1,294	7	5	161	1,235	-15
23	28,762	153	0	2,415	7	5	161	2,089	-76
24	28,744	-18	0	1,309	7	5	161	927	-218
25	28,698	-46	0	796	7	5	161	572	-74
26	28,794	96	0	911	7	5	167	689	5
27	28,700	-94	0	746	7	0	169	627	10
28	28,555	-145	0	956	3	0	169	712	-145
29	28,583	28	0	1,014	3	0	169	752	-76
30	29,227	644	0	2,414	3	0	169	1,742	-175
31	28,757	-470	0	2,015	3	0	169	1,859	-221
Total		593	0	39,146	182	224	5,243	31,788	-1,410
Mean cfs		---	0	1,263	6	7	169	1,025	-45
Acre-feet		593	0	77,646	361	444	10,400	63,051	-2,797

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 116 AF AG, 1 AF M&I to Pacheco W.D., 145 AF to the City of Dos Palos and 99 AF to San Luis Water District.

3/ Includes 74 AF to the City of Huron, 193 AF to the City of Avenal, 342 AF to the City of Coalinga, 0 AF to Huron P&R @ 22R, 86 AF to Lemoore N.A.S. @ 30L, 0 AF to GWF @ 30L, 0 AF to Kings County @ 30L, 0 AF to Broadview WD @ 3L, 0 AF to DFG @ 4L, 0 AF to Mendota Water Fowl Habitat Area @ 6L, 0 AF to DFG @ 7L, 0 AF to Non-Project Water and 9,705 AF to Westlands Water District.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

December 2007

23

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	180	209	73	68	75	4,723	5,276	4,833	4,727
2	112	134	80	75	82	4,933	5,400	4,983	4,700
3	84	95	59	56	61	1,541	1,740	1,540	1,590
4	116	133	63	59	64	1,920	1,981	1,784	1,797
5	66	77	51	44	48	2,119	2,003	1,790	1,587
6	64	74	78	74	77	2,244	1,919	1,692	1,686
7	66	80	61	57	62	2,009	1,891	1,645	1,585
8	49	54	56	51	56	1,529	1,567	1,448	1,470
9	89	104	74	68	76	1,570	1,822	1,633	1,620
10	74	82	50	47	51	1,676	1,813	1,656	1,568
11	55	59	48	43	50	2,016	1,850	1,578	1,416
12	65	73	61	59	63	1,973	1,741	1,588	1,533
13	63	75	55	50	56	1,912	1,744	1,545	1,555
14	70	79	60	57	62	2,626	2,673	2,396	2,381
15	59	75	56	51	56	2,311	2,676	2,563	2,523
16	72	85	73	69	74	3,153	3,678	3,573	3,441
17	40	45	39	36	40	3,462	3,678	3,491	3,438
18	64	75	70	66	70	3,723	3,707	3,493	3,438
19	57	70	59	54	62	3,675	3,762	3,493	3,438
20	65	76	70	65	70	3,293	3,495	3,227	3,188
21	78	83	51	47	53	3,784	3,874	3,680	3,706
22	57	65	37	34	38	3,621	3,906	3,682	3,596
23	77	85	63	59	66	6,214	6,621	6,469	6,438
24	33	40	37	33	37	3,594	3,962	3,787	3,733
25	53	62	57	53	59	3,092	3,627	3,517	3,398
26	43	50	50	45	49	2,875	2,896	3,081	2,925
27	63	73	53	49	54	2,566	2,640	2,528	2,441
28	75	86	49	43	50	3,409	3,386	3,244	3,121
29	53	62	54	49	55	3,136	3,296	3,150	3,126
30	61	73	56	52	58	5,768	6,355	6,239	6,202
31	68	75	54	50	57	5,080	5,609	5,489	5,487
Total	2,170	2,508	1,797	1,663	1,831	95,546	100,588	94,817	92,853

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

December 2007

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Table A	USBR	Article 21	Pool A	Recovery 1/		
	No.	Structure										
7	21	Check No. 21	172.40		63,051							
8C	22		172.66	Empire West Side ID TL - A	0	1,293						
				County of Kings TL - A	0							
				Tulare Lake Basin WSD TL-A	1,293							
			175.18	Dudley Ridge WD - 1	0							
			177.54	Dudley Ridge WD - 1B	20		20					
			180.64	Tulare Lake Basin WSD - C	0		5					
			180.65	Dudley Ridge WD - 1A	5		21					
			182.99	Dudley Ridge WD - 2	21		138					
			183.00	Tulare Lake Basin WSD TL - B	139		1					
				County of Kings TL-B	6							
			184.00	Dudley Ridge WD - Paramount	1							
			184.63	Coastal Branch	2,170							
			184.78	Dudley Ridge WD - 3	0							
				Dudley Ridge Reach 8D Total:	47		47	0	0	0		
8D				Tulare Lake Basin WSD Total:	1,432		1,431	0	1	0		
			Check No. 22	184.82								
23		189.69	Kern County Water Agency Lost Hills Water Dist. - 1	35	35							
		191.18	Kern County Water Agency Lost Hills Water Dist. - 2	0								
		194.22	Kern County Water Agency Lost Hills Water Dist. - 3	0								
		196.40	Kern County Water Agency Berrenda Mesa - 2	70								
		196.75	Kern County Water Agency Lost Hills Water Dist. - 4	0								
			KCWA Reach 9 Subtotal:	105		0	0	0	105			
		Check No. 23	197.05									
24		201.24	Kern County Water Agency Lost Hills Water Dist. - 7	47								
		202.05	Kern County Water Agency Lost Hills Water Dist. - 5	59								
		204.69	Kern County Water Agency Lost Hills Water Dist. - 6	0								
		205.26	Kern County Water Agency Lost Hills Water Dist. - 8	0								
		Check No. 24	207.94									
10A	25		209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	0	2/ 2,097						
			209.78	Kern National Wildlife Refuge USBR BV-1B	2,097							
				Kern County Water Agency Buena Vista WSD 1B	0							
			209.80	KCWA Semitropic WSD	0							
				KCWA Semitropic WSD Penstocks	0							
				USBR Total:	2,097		0	2,097	0	0		
				KCWA Reach 10A Subtotal:	106		0	0	0	106		

1/ Recovery of same contractors pump-in.

2/ Water moved to Kern National Wildlife Refuge includes 922 AF of water supplied by Rosedale Rio at O'Neill and 1,175 AF supplied by the USBR.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

December 2007

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Table A	USBR	Article 21	Pool A	Recovery 1/		
	No.	Structure										
11B	25		210.75	Kern County Water Agency Belridge - 2	0					600		
			214.11	Kern County Water Agency Belridge - 3	600							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5A-C	771					771		
				Kern County Water Agency Belridge - 5D	124							
		Check No. 25	217.79									
				KCWA Reach 11B Subtotal:	1,495	0	0	0	0	1,495		
12D	26		219.58	Kern County Water Agency Belridge - 6	0					380		
				Kern County Water Agency West Kern - 3	380							
		Check No. 26	224.92									
12E	27		230.37	Kern County Water Agency Buena Vista - 6	0							
			231.73									
			235.75	Kern County Water Agency Buena Vista - 2	0							
			238.04	Kern County WA CVC	0							
				DRWD CVC	0							
				Tulare Co.	0							
				Lower Tule River	0							
			238.04	Fresno Co.	0							
				Pixley ID	0							
				Hacienda								
				DWR Wells	0							
		Check No. 28	238.11									
				2/ Arvin Edison Total:	0	0	0	0	0	0		
				Reach 12E Subtotal:	0	0	0	0	0	0		
13B	29		238.19	Kern Water Bank Inflow	0							
			Kern Water Bank Outflow	0								
			241.02 Kern River Intertie (inflow)	0								
			KCWA Buena Vista WSD - 7	0								
			KCWA Buena Vista WSD - 5	0								
			243.09	Kern County Water Agency Buena Vista - 3	0							
			Check No. 29	244.54								
	30		249.85	Kern County Water Agency Buena Vista - 4	184					184		
			250.99	Buena Vista Pumping Plant	95,546							
				KCWA Reach 13B Subtotal:	184		0	0	0	184		
14A	31		254.47	Kern County Water Agency West Kern - 2	0					57		
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	57							

1/ Recovery of same contractors pump-in.

2/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

December 2007

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A	USBR	Article 21	Pool A	Recovery 1/	
	No.	Structure	Mile							
14A	31	Check No. 31	256.14							
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	265				265	
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4		782			782	
		Check No. 32	261.72							
				KCWA Reach 14A Subtotal:	1,104	0	0	0	1,104	
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	1,145				1,145	
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	205				205	
		Check No. 33	267.36							
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	1,138				1,138	
			271.27							
				Reach 14B Total:	2,488	0	0	0	2,488	
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	761				761	
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	453				453	
			277.30	Kern County Water Agency Arvin-Edison WSD	0					
				Reach 14C Total:	1,214	0	0	0	1,214	
	Teerink Pumping Plant		278.13		100,588					
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	56				56	
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	2,169				2,169	
				Reach 15A Total:	2,225	0	0	0	2,225	
	Chrisman Pumping Plant		280.36		94,817					
16A	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0					
			283.95							
	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	15				15	
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	41				41	
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0					
	Check No. 38		287.09							
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	11				11	
			290.21							
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	520				520	
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	0					
				Kern County Water Agency Tehachapi Cummings CWD	0					
				KCWA Reach 16A Subtotal:	587	0	0	0	587	
17E	Edmonston Pumping Plant		293.45		92,853					

1/ Recovery of same contractors pump-in.

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

December 2007

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries				
	Beginning and Ending				Table A	USBR	Article 21	Pool A	Recovery 1/
	No.	Structure	Mile						
31A	C-1	Coastal Branch Control	0.02		2,170				
		Las Perillas Pumping Plant	1.16		2,170				
	C-2		3.79	Green Valley Water District	0				
		Badger Hill Pumping Plant	4.27		2,170				
	C-3	Coastal Check No. 3	7.21						
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0				
		Coastal Check No. 4	9.34						
	C-5	Coastal Check No. 5	12.20						
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	0				
			14.83	Kern County Water Agency Berrenda Mesa - 1	388				388
				Kern County Water Agency Berrenda Mesa - PO	0				
		Devil's Den Pumping Plant	14.86		1,797				
				KCWA Reach 31A Subtotal:	388	0	0	0	388
				KCWA Total:	10,276	0	0	0	10,276
33A	C-7	Bluestone Pumping Plant	19.05		1,663				
	C-8	Polonio Pass Pumping Plant	26.54		1,831				
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant	0				
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	1,628	1,628			
		Tank Site 2	58.63	Central Coast:	0				
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	189	189			
		Energy Dissipater	78.12						
	Lopez T.O.	85.86		SLOCFC & WCD	0				
35				CCWA Total:	1,817	1,817	0	0	0
	Guadalupe T.O.	102.70		SBCFC & WCD	0				
	Santa Maria T.O.	107.43		SBCFC & WCD	0				
	So. Cal. Water T.O.	109.20		SBCFC & WCD	0				
38				SBCFC & WCD Total:	0	0	0	0	0
	Tank Site 5	115.42							

1/ Recovery of same contractors pump-in.

Table 24. Southern Field Division Plant Data

(in acre-feet)

December 2007

Date	West Branch						East Branch								East Branch Extension			
	Oso Pumping Plant	Warne Powerplant			Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley	
		Generation	Leakage	Gorman Crk. Improvement Channel	Generation 1/	Pumpback 1/	Bypass Through Plant	Tehachapi Afterbay Bypass	Generation	Leakage	Bypass Flume							
28	1	3,225	2,144	0	925	1,040	0	1,484	0	0	1,505	1,570	0	0	1,485	19	13	10
	2	3,225	2,146	0	1,041	901	0	1,584	0	0	1,628	1,676	0	0	1,530	30	19	3
	3	352	535	0	0	437	1,025	1,438	0	0	1,600	1,578	0	0	1,616	58	48	22
	4	1,115	529	0	0	894	939	609	0	0	450	694	0	0	1,097	60	54	31
	5	787	597	0	0	967	761	510	0	0	0	0	0	0	969	61	54	32
	6	877	584	0	0	2,008	1,509	795	0	0	702	329	0	0	1,153	61	55	32
	7	69	599	0	0	1,427	610	1,464	0	132	1,823	1,436	0	0	1,063	52	47	33
	8	70	601	0	0	32	1,114	1,295	0	0	1,389	1,319	0	0	974	29	26	32
	9	151	603	0	0	58	0	1,602	0	0	1,475	1,379	0	0	981	29	25	32
	10	275	595	0	0	677	0	1,479	0	0	1,180	1,247	0	0	1,131	59	55	25
	11	137	586	0	0	1,011	0	1,300	0	0	956	1,250	0	0	880	60	58	29
	12	585	603	0	0	895	0	1,039	0	0	808	634	0	0	1,128	60	58	31
	13	585	602	0	0	1,248	0	1,027	0	0	777	475	0	0	1,087	47	45	32
	14	736	612	0	0	76	0	1,695	0	0	1,349	1,364	0	0	1,068	53	52	32
	15	863	611	0	0	354	0	1,229	0	0	1,403	1,222	0	0	1,013	28	27	32
	16	2,037	608	0	0	819	286	1,544	0	0	1,295	1,102	0	0	1,057	27	25	28
	17	2,039	2,153	0	0	3,024	0	1,051	0	410	1,219	1,238	0	0	1,191	58	55	25
	18	2,046	2,153	0	0	2,871	0	1,442	0	0	1,425	1,148	0	0	1,188	60	58	29
	19	2,028	2,163	0	0	2,608	0	1,301	0	83	1,296	1,239	0	0	1,120	53	51	31
	20	2,020	1,819	0	0	2,655	625	1,579	0	0	1,234	1,137	0	0	987	52	51	32
	21	2,049	2,154	0	0	3,904	0	1,348	0	83	1,236	1,351	0	0	1,016	50	51	32
	22	2,046	2,149	0	0	1,411	0	1,346	0	83	1,358	1,387	0	0	925	27	27	32
	23	4,168	2,154	0	0	1,119	0	2,403	0	0	2,362	2,399	0	0	897	22	22	32
	24	1,993	2,140	0	0	2,782	0	1,903	0	0	1,664	1,296	0	0	933	26	26	9
	25	2,042	2,139	0	0	2,886	784	1,402	0	0	1,183	1,462	0	0	952	20	20	9
	26	2,241	2,137	0	0	1,441	0	903	0	0	714	546	0	0	1,089	42	56	19
	27	2,215	2,143	0	0	2,873	467	384	0	0	437	0	0	0	974	60	61	34
	28	1,955	2,141	0	0	3,123	0	1,198	0	0	1,252	1,623	0	0	1,823	31	50	33
	29	1,954	2,140	0	744	1,379	819	1,212	0	0	1,005	1,064	0	0	1,804	27	27	32
	30	4,367	2,158	0	1,190	1,373	824	1,824	0	0	1,974	1,979	0	0	1,893	26	26	29
	31	3,093	2,149	0	1,190	3,023	0	2,474	0	0	2,094	2,059	0	0	1,965	25	26	10
Total		51,345	44,447	0	5,090	49,316	9,763	41,864	0	791	38,793	37,203	0	0	36,989	1,312	1,268	824

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

December 2007

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow				Outflow				Computed Losses (-) And Gains (+)	
				Project			Natural	Project			Natural		
				Castaic Powerplant Pumpback 1/	Warne Power-plant	Gorman Creek Improve. Channel	Stream Flow	Castaic Powerplant Generation 1/	Recrea-tion Deliveries	To Piru Creek	United Water Agency		
Nov 30	2566.40	155,354											
1	2567.85	157,126	1,772	0	2,144	925	18	1,040	0	20	0	-255	
2	2569.81	159,543	2,417	0	2,146	1,041	18	901	0	20	0	133	
3	2570.65	160,585	1,042	1,025	535	0	18	437	0	20	0	-79	
4	2571.05	161,083	498	939	529	0	18	894	0	20	0	-74	
5	2571.29	161,383	300	761	597	0	18	967	0	20	0	-89	
6	2571.35	161,458	75	1,509	584	0	18	2,008	0	20	0	-8	
7	2571.26	161,345	-113	610	599	0	18	1,427	0	20	0	107	
8	2572.62	163,048	1,703	1,114	601	0	19	32	0	20	0	21	
9	2572.96	163,476	428	0	603	0	20	58	0	20	0	-117	
10	2572.91	163,413	-63	0	595	0	20	677	0	20	0	19	
11	2572.54	162,948	-465	0	586	0	20	1,011	0	20	0	-40	
12	2572.32	162,672	-276	0	603	0	20	895	0	20	0	16	
13	2571.59	161,758	-914	0	602	0	20	1,248	0	20	0	-268	
14	2572.05	162,333	575	0	612	0	20	76	0	20	0	39	
15	2572.18	162,496	163	0	611	0	20	354	0	20	0	-94	
16	2572.24	162,571	75	286	608	0	20	819	1	20	0	1	
17	2571.44	161,570	-1,001	0	2,153	0	20	3,024	0	20	0	-130	
18	2570.85	160,834	-736	0	2,153	0	24	2,871	0	20	0	-22	
19	2570.38	160,250	-584	0	2,163	0	26	2,608	0	20	0	-145	
20	2570.33	160,188	-62	625	1,819	0	24	2,655	0	28	0	153	
21	2568.64	158,097	-2,091	0	2,154	0	22	3,904	0	28	0	-335	
22	2569.11	158,677	580	0	2,149	0	20	1,411	0	27	0	-151	
23	2569.95	159,716	1,039	0	2,154	0	20	1,119	0	27	0	11	
24	2569.43	159,072	-644	0	2,140	0	20	2,782	0	27	0	5	
25	2569.23	158,825	-247	784	2,139	0	20	2,886	1	27	0	-276	
26	2569.64	159,332	507	0	2,137	0	20	1,441	0	27	0	-182	
27	2569.37	158,998	-334	467	2,143	0	19	2,873	0	27	0	-63	
28	2568.49	157,913	-1,085	0	2,141	0	21	3,123	0	27	0	-97	
29	2570.25	160,088	2,175	819	2,140	744	21	1,379	0	27	0	-143	
30	2572.51	162,910	2,822	824	2,158	1,190	20	1,373	0	26	0	29	
31	2572.56	162,973	63	0	2,149	1,190	20	3,023	0	26	0	-247	
Total				7,619	9,763	44,447	5,090	622	49,316	2	704	0	-2,281

1/ Values supplied by LADWP, not verified by DWR.

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

December 2007

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
				Natural	Project 1/					
Nov 30	1522.12	24,152								
1	1524.50	25,194	1,042	1,040	0	0	0	0	2	
2	1526.49	26,080	886	901	0	0	0	0	-15	
3	1524.63	25,251	-829	437	0	1,025	0	0	-241	
4	1524.40	25,150	-101	894	0	939	0	0	-56	
5	1524.82	25,335	185	967	0	761	0	0	-21	
6	1521.20	23,754	-1,581	2,008	0	1,509	0	2,079	-1	
7	1517.84	22,329	-1,425	1,427	0	610	0	2,244	2	
8	1515.16	21,225	-1,104	32	0	1,114	0	0	-22	
9	1515.25	21,262	37	58	0	0	0	0	-21	
10	1516.92	21,947	685	677	0	0	0	0	8	
11	1519.44	23,003	1,056	1,011	0	0	0	0	45	
12	1521.31	23,802	799	895	0	0	0	0	-96	
13	1519.49	23,024	-778	1,248	0	0	0	2,027	1	
14	1516.13	21,621	-1,403	76	0	0	0	1,479	0	
15	1516.91	21,943	322	354	0	0	0	0	-32	
16	1518.17	22,467	524	819	0	286	0	0	-9	
17	1525.33	25,562	3,095	3,024	0	0	0	0	71	
18	1526.34	26,013	451	2,871	0	0	0	2,501	81	
19	1520.78	23,574	-2,439	2,608	0	0	0	5,066	19	
20	1514.79	21,075	-2,499	2,655	0	625	0	4,529	0	
21	1518.45	22,585	1,510	3,904	0	0	0	2,395	1	
22	1521.53	23,897	1,312	1,411	0	0	0	0	-99	
23	1524.10	25,018	1,121	1,119	0	0	0	0	2	
24	1525.20	25,504	486	2,782	0	0	0	2,293	-3	
25	1522.20	24,187	-1,317	2,886	0	784	0	3,421	2	
26	1519.65	23,092	-1,095	1,441	0	0	0	2,535	-1	
27	1514.74	21,055	-2,037	2,873	0	467	0	4,443	0	
28	1518.59	22,644	1,589	3,123	0	0	0	1,534	0	
29	1520.04	23,258	614	1,379	0	819	0	0	54	
30	1521.33	23,810	552	1,373	0	824	0	0	3	
31	1520.09	23,279	-531	3,023	0	0	0	3,556	2	
Total				-873	49,316	0	9,763	0	40,102	
									-324	

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

December 2007

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
Nov 30	1486.77	264,167								
1	1485.81	262,262	-1,905	0	0	0	1,897	0	-8	
2	1484.90	260,463	-1,799	0	0	0	1,808	0	9	
3	1484.10	258,887	-1,576	0	0	0	1,746	0	170	
4	1483.29	257,297	-1,590	0	0	0	1,649	0	59	
5	1482.42	255,595	-1,702	0	0	0	1,764	0	62	
6	1482.61	255,966	371	0	2,079	1	1,706	0	-3	
7	1482.98	256,690	724	0	2,244	1	1,586	0	65	
8	1482.26	255,283	-1,407	0	0	1	1,535	0	127	
9	1481.50	253,802	-1,481	0	0	1	1,468	0	-14	
10	1480.74	252,326	-1,476	0	0	1	1,457	0	-20	
11	1479.98	250,855	-1,471	0	0	1	1,471	0	-1	
12	1479.26	249,465	-1,390	0	0	1	1,460	0	69	
13	1479.53	249,986	521	0	2,027	1	1,534	0	27	
14	1479.54	250,005	19	0	1,479	1	1,547	0	86	
15	1478.74	248,452	-1,553	0	0	1	1,528	0	-26	
16	1478.02	247,082	-1,370	0	0	1	1,512	0	141	
17	1477.22	245,551	-1,531	0	0	1	1,532	0	0	
18	1477.77	246,603	1,052	0	2,501	4	1,615	0	162	
19	1479.69	250,295	3,692	0	5,066	6	1,571	0	191	
20	1481.25	253,316	3,021	0	4,529	2	1,480	0	-30	
21	1481.90	254,581	1,265	0	2,395	2	1,283	0	151	
22	1481.34	253,491	-1,090	0	0	2	1,078	0	-14	
23	1480.82	252,481	-1,010	0	0	1	1,029	0	18	
24	1481.41	253,627	1,146	0	2,293	1	1,158	0	10	
25	1482.57	255,888	2,261	0	3,421	1	1,147	0	-14	
26	1483.30	257,317	1,429	0	2,535	1	1,121	0	14	
27	1484.81	260,285	2,968	0	4,443	1	1,381	0	-95	
28	1484.86	260,384	99	0	1,534	1	1,420	0	-16	
29	1484.10	258,887	-1,497	0	0	1	1,510	0	12	
30	1483.30	257,317	-1,570	0	0	1	1,536	0	-35	
31	1484.34	259,359	2,042	0	3,556	1	1,600	0	85	
Total			-4,808	0	40,102	37	46,129	0	1,182	

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

December 2007

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.			Table A	Recreation	Transfer	Exchange	Recovery	Flexible Withdrawal	
	No.	Structure	Mile									
29A	42	Oso Pumping Plant	1.49		51,345							
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved							
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub							
29G		Warne Power Plant	14.07	(Does not Include 5,090 AF of flow through Gorman Creek Imp. Channel)	44,447							
29H	W3	Pyramid Lake		USFS Pyramid Recreation (T300)	2		2					
				United WA (T300)	0							
		Pyramid Dam	17.10	California State Park Piru Fish (T300)	0							
29J	W4	Castaic Power Plant	25.82	(9,763 AF pumpback) 2/	49,316		11					
		Elderberry Forebay										
		Forebay Dam	28.12									
30 1/	W5	Castaic Lake		California State Park			11				3/ 26,617 15,350	
		Castaic Dam	31.47	Castaic Lake Recreation (T301)	11							
		Castaic Lake Outlet	31.6	MWDSC 78" & 132" (T302)	28,410							
				Castaic Lake WA 18", 24" & 54" (T303)	1,672							
				Castaic Lake WA Rio Vista T.P. (T304)	566							
				MWD-Ventura Co. WPD (T302)	120							
				Releases to Lagoon	0							
				Reach 30 Subtotal:	30,779							
	W6	Castaic Lagoon		California State Park Recreation to Lagoon (T353)	0							
		Castaic Lagoon Outlet	31.9		107							

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR

3/ Includes 24,112 AF of Semitropic Bank Recovery and 2,505 Af of Arvin Edison Recovery

4/ General Conveyance Exchange from Rosedale/Rio Bravo to Castaic.

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

December 2007

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Project		Del. To CLAWA	Rec.	San Bernardino Tunnel	Natural To Mojave River		
Nov 30	3352.05	72,121												
1	3352.07	72,140	19	1,570	0	1	4	0	1,485	0	0	-63	0	
2	3352.21	72,274	134	1,676	0	1	5	0	1,530	0	0	-8	0	
3	3352.19	72,255	-19	1,578	0	1	6	0	1,616	0	0	24	0	
4	3351.77	71,853	-402	694	0	1	4	0	1,097	0	1	5	0	
5	3350.73	70,865	-988	0	0	1	4	0	969	0	0	-16	0	
6	3349.91	70,092	-773	329	0	1	4	0	1,153	0	1	55	0	
7	3350.50	70,648	556	1,436	0	52	5	0	1,063	0	0	136	0	
8	3351.01	71,131	483	1,319	0	14	5	0	974	0	1	130	0	
9	3351.20	71,311	180	1,379	0	7	5	0	981	0	0	-220	0	
10	3351.46	71,558	247	1,247	0	5	5	0	1,131	0	1	132	0	
11	3351.85	71,930	372	1,250	0	4	5	0	880	0	0	3	0	
12	3351.29	71,397	-533	634	0	4	4	1	1,128	0	1	-37	0	
13	3350.70	70,837	-560	475	0	3	6	0	1,087	0	0	55	0	
14	3351.01	71,131	294	1,364	0	3	6	0	1,068	0	0	1	0	
15	3351.09	71,201	70	1,222	0	3	6	0	1,013	0	0	-136	0	
16	3351.40	71,501	300	1,102	0	3	5	0	1,057	0	1	258	0	
17	3351.15	71,264	-237	1,238	0	3	6	0	1,191	0	0	-281	0	
18	3351.40	71,501	237	1,148	0	3	6	0	1,188	0	0	280	0	
19	3351.34	71,444	-57	1,239	0	7	5	0	1,120	0	0	-178	0	
20	3351.63	71,720	276	1,137	0	4	6	0	987	0	1	129	0	
21	3352.07	72,140	420	1,351	0	4	6	0	1,016	0	0	87	0	
22	3352.38	72,436	296	1,387	0	3	5	0	925	0	0	-164	0	
23	3353.87	73,871	1,435	2,399	0	3	6	0	897	0	0	-64	0	
24	3354.15	74,143	272	1,296	0	3	5	0	933	0	1	-88	0	
25	3354.88	74,848	705	1,462	0	3	5	0	952	0	0	197	0	
26	3354.29	74,278	-570	546	0	3	5	0	1,089	0	0	-25	0	
27	3353.20	73,224	-1,054	0	0	3	5	0	974	0	0	-78	0	
28	3352.95	72,983	-241	1,623	0	3	6	0	1,823	0	1	-37	0	
29	3352.52	72,571	-412	1,064	0	3	5	0	1,804	0	0	330	0	
30	3352.52	72,571	0	1,979	0	3	5	0	1,893	0	0	-84	0	
31	3352.52	72,571	0	2,059	0	3	5	0	1,965	0	0	-92	0	
Total				450	37,203	0	153	160	1	36,989	0	9	253	0

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

December 2007

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Nov 30	1559.12	67,334				
1	1559.09	67,280	-54		54	
2	1559.04	67,191	-89		55	
3	1558.98	67,083	-108		56	
4	1558.54	66,297	-786		55	
5	1558.79	66,743	446		56	
6	1558.87	66,886	143		55	
7	1558.82	66,797	-89		55	
8	1558.87	66,886	89		55	
9	1558.79	66,743	-143		55	
10	1558.71	66,600	-143		55	
11	1558.71	66,600	0		55	
12	1558.57	66,350	-250		56	
13	1558.57	66,350	0		54	
14	1558.54	66,297	-53		55	
15	1558.54	66,290	-7		56	
16	1558.38	66,012	-278		55	
17	1558.41	66,065	53		55	
18	1558.41	66,065	0		55	
19	1558.38	66,012	-53		55	
20	1558.38	66,012	0		55	
21	1558.27	65,816	-196		55	
22	1557.80	64,983	-833		795	
23	1557.31	64,120	-863		902	
24	1556.79	63,209	-911		912	
25	1556.15	62,097	-1,112		907	
26	1555.93	61,717	-380		558	
27	1555.74	61,384	-333		55	
28	1555.88	61,630	246		268	
29	1555.82	61,527	-103		403	
30	1555.99	61,820	293		404	
31	1555.96	61,768	-52		402	
Total			-5,566	2,197	6,763	-1,000

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

December 2007

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.			Table A	Recreation	Transfer	Exchange	Recovery	Flexible Withdrawal	
	No.	Structure	Mile									
17E	40	Edmonston Pumping Plant	293.45		92,853							
	41		298.65	KCWA Tej.-Cas	Stub							
17F		Check No. 41	303.41									
18A	42		304.99	AVEK WA-Temp for TEA construction (T389)	0							
		Check No. 42	304.99									
	43	Alamo Powerplant	305.73	(Includes 41,864 AF generation, 0 AF plant bypass, and 791 AF Tehachapi bypass)	42,655							
			306.71	AVEK 305th Street West (T287)	0							
			308.05	AVEK 294th Street West (T267)	0							
19	44		309.70									
			311.84	LADWP Connection	0							
			313.50	AVEK 245th Street West (T269)	0							
	45	Check No. 44	314.81									
			314.93	AVEK 235th Street West (T270)	0							
			315.57	AVEK 225th Street West (T271)	0							
	46	Check No. 45	319.74									
			323.19	Antelope Valley-East Kern WA Fairmont (T272)	444							
				Mojave Water Agency Fairmont (T272)	18							
		Check No. 46	323.84									
				Reach 19 Total:	462							
20A	47	Check No. 47	326.77									
	48		326.91	Antelope Valley-East Kern WA Willow Springs (T273)	28							
			329.65	Antelope Valley-East Kern WA 120th Street West	Removed							
		Check No. 48	330.82									
	49	Check No. 49	335.93									
	50		336.73	Antelope Valley-East Kern WA Quartz Hill (T274)	991							
			339.68	Antelope Valley-East Kern WA Rancho Vista (T275)	4							
			340.92	AVEK WA-Temp (T387)	0							
		Check No. 50	341.51									
20B	51		342.06	AVEK WA-Temp (T386)	0							
	52	Check No. 51	342.07									
	53		342.95	Antelope Valley-East Kern WA 30th Street West (T414)	0							
		Check No. 52	343.74									
			346.98	Palmdale WD (T276) Temp.	522							
21	54		348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	0							
		Check No. 53	348.17									
			349.52	Palmdale WD (T394)	0							
	55	Check No. 54	350.25									
	56	Check No. 55	352.70									
	57	Check No. 56	354.76									
22A			354.97	AVEK WA-Delivered through Littlerock Creek ID (T278)	0							
			354.97	Palmdale WD (T276)	0							
			354.97	Palmdale WD (T391)	0							
58	Check No. 57	356.93										
		357.60	AVEK 95th Street East (T279)	2								
		357.72	AVEK 96th Street East (T280)	0								
			359.76	AVEK East Side Treatment Plant (T281)	126							

1/ Exchange from Little Rock to Antelope Valley-East Kern WA.

2/ General Conveyance Exchange from Kern County Water Agency to Palmdale.

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

December 2007

(In acre-feet)

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries						
	Beginning and Ending										
	No.	Structure	Mile		Table A	Recreation	Transfer	Exchange	Recovery	Flexible Withdrawal	
22B	58	Pearblossom Pumping Plant	360.61	AVEK Big Rock Siphon (T368)	38,793	509	2,148	1 / 0	1	2 / 54	
	59	Check No. 59	366.09								
	60		366.50		0						
		Check No. 60	373.94								
	61	Check No. 61	379.00								
	62	Check No. 62	384.26								
	63		389.20		Mojave Water Agency						
		Check No. 63			White Road 24" & 42" (T282)						
	64	Check No. 64	395.10								
	65	Check No. 65	400.32								
23	66		401.10		Mojave Water Agency						
					Morongo 24" & 42" (T284)						
24	67	Check No. 66	403.41	Silverwood Lake		104	2	1	2 / 54	4 / 3,126	
		Mojave Siphon	405.58		Las Flores Ranch Exchange						
25	67	Mojave Siphon Powerplant	405.65								
					37,203						
26A	68	Devil Canyon Afterbay Control Structures			MWA CS DAM (T288)	5,500	13,321	3 / 3,573	5 / 3,250	6 / 3,237	
			407.65		California State Park						
					Silverwood (T288)						
			407.70		Crestline-Lake Arrowhead WA						
					State Project Water (T289)						
					Non-Project Water (T289)						
					36,989						
28G	68	Devil Canyon Afterbay Control Structures	412.73								
					36,989						
28H	69	Santa Ana Valley Pipeline	425.46	Lake Perris	MWD-Rialto (T292)	1,59	4,671	0	6 / 1,933	6 / 1,695	
			433.06		MWD-SC Box Springs (T295)						
28J	69		440.05		MWD-SC Perris Bypass Pipeline (T296)						
			442.00		MWD-SC (T297)						
					MWD-SC 54" & 78" (T299)						
			443.44		Calif. State Park						
					Lake Perris Recreation (T298)						
					0						
				MWD Total:	82,594	27,386	0	0	0	39,858	15,350

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow

2/ Transfer from San Bernardino to Castaic-Lake Arrowhead WA

3/ Includes 0 AF to San Gabriel Valley MWD, 2,794 AF to San Bernardino Valley MWD, and 779 AF to San Gorgonio Pass WA.

4/ Arvin Edison Recovery

5/ Mojave Water Bank Recovery

6/ Semitropic Recovery

Table 32. Water Quality At Selected SWP Locations

December 2007

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO ₃	44	91	76	90	81	76	70	74	73
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.002	0.002	0.002	0.002	0.002	0.004	0.003	0.004
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1
Bromide	mg/l	<0.01	0.03	0.29	0.29	0.29	0.26	0.28	0.25	0.29
Calcium	mg/l	9	15	20	24	20	19	23	25	22
Carbon - Dissolved Organic	mg/l as C	NR	3	3	3	3	3	2	2	2
Carbon - Total Organic	mg/l as C	NR	3	3	3	3	3	2	2	2
Chloride	mg/l	1	16	89	90	90	82	80	72	80
Chromium	mg/l	<0.001	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.002
Copper	mg/l	<0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.002
Fluoride	mg/l	<0.1	NR	NR	NR	NR	NR	NR	NR	NR
Hardness	mg/l as CaCO ₃	39	87	108	122	108	101	90	95	88
Iron	mg/l	<0.005	0.013	0.030	0.012	0.011	<0.005	<0.005	<0.005	<0.005
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	4	12	14	15	14	13	8	8	8
Manganese	mg/l	<0.005	0.008	0.009	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l as N	<0.01	0.32	0.83	NR	0.89	0.88	1.20	1.20	0.95
Phosphorus-Ortho	mg/l as P	<0.01	0.04	0.06	NR	0.06	0.06	NR	0.03	0.03
Phosphorus-Total	mg/l	0.01	0.10	0.08	NR	0.10	0.06	0.05	0.04	0.10
Selenium	mg/l	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002
Sodium	mg/l	4	19	60	63	59	55	58	57	58
Specific Conductance	µS/cm	90	272	528	606	554	520	519	481	513
Sulfate	mg/l	2	18	31	53	38	37	46	42	39
Total Dissolved Solids	mg/l	50	152	295	332	299	278	281	270	276
Turbidity	NTU	2	20	5	7	6	<1	1	<1	11
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

December 2007

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Date	Antioch Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in millisiemens/cm								Cl in mg/l		
			Net Delta Outflow Index		Rio Vista	Antioch	Chippis Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md
1	5.13	3.55	3,413	3,413	4,574	4.50	11.50	1.66	1.51	1.26	1.22	0.53	0.68	0.51	200
2	4.88	3.18	4,091	3,752	4,746	3.96	10.01	1.48	1.55	1.19	1.24	0.51	0.65	0.55	211
3	5.01	3.15	3,900	3,801	4,818	4.25	10.23	1.34	1.59	1.17	1.26	0.46	0.68	0.52	180
4	4.99	3.12	3,063	3,617	4,709	4.33	10.55	1.24	1.64	1.15	1.28	0.47	0.70	0.53	180
5	5.57	3.50	3,732	3,640	4,708	5.02	11.96	1.70	1.70	1.38	1.31	0.52	0.74	0.51	170
6	5.82	3.80	3,165	3,561	4,726	5.20	12.81	2.39	1.81	1.64	1.35	0.49	0.71	0.52	160
7	6.17	4.19	4,127	3,642	6,227	6.70	14.53	2.91	1.94	2.08	1.41	0.46	0.60	0.51	160
8	5.79	3.72	10,288	4,472	9,440	5.39	12.16	1.27	1.89	1.63	1.43	0.47	0.48	0.53	163
9	5.83	3.67	10,337	5,124	9,657	4.66	10.95	1.38	1.83	1.60	1.44	0.49	0.47	0.57	163
10	5.98	3.95	11,276	5,739	9,328	5.12	11.36	1.88	1.80	1.82	1.47	0.51	0.54	0.54	120
11	5.82	3.89	10,425	6,165	8,974	4.73	11.11	1.53	1.77	1.72	1.49	0.50	0.52	0.53	135
12	5.61	3.69	7,287	6,259	7,653	4.46	10.49	1.56	1.75	1.68	1.52	0.52	0.59	0.55	125
13	5.60	3.70	3,286	6,030	6,201	4.64	10.66	1.69	1.72	1.68	1.55	0.54	0.65	0.56	120
14	5.19	3.63	2,545	5,781	5,682	4.58	10.47	1.59	1.70	1.61	1.57	0.53	0.67	0.57	123
15	4.73	3.38	4,056	5,666	5,482	4.32	9.92	1.21	1.67	1.52	1.59	0.55	0.69	0.58	126
16	4.67	3.38	4,428	5,589	5,069	4.42	10.12	1.32	1.64	1.57	1.59	0.53	0.64	0.57	120
17	5.21	3.48	3,310	5,454	4,832	4.87	10.77	1.43	1.65	1.64	1.62	0.55	0.72	0.54	125
18	5.53	0.00	3,895	5,368	5,322	5.67	12.03	1.80	1.69	1.76	1.67	0.56	0.77	0.55	125
19	5.73	4.07	6,667	5,436	6,098	5.72	11.83	1.58	1.68	1.85	1.70	0.40	0.42	0.57	90
20	6.42	4.02	8,215	5,575	7,012	6.37	13.04	2.20	1.67	2.41	1.76	0.53	0.49	0.56	88
21	6.15	3.69	11,635	5,864	8,313	5.54	11.17	1.24	1.55	2.11	1.76	0.51	0.46	0.58	128
22	6.14	3.63	14,623	6,262	10,073	4.98	10.27	1.37	1.56	2.05	1.79	0.52	0.52	0.59	133
23	6.17	3.64	16,935	6,726	10,866	4.48	9.48	1.24	1.55	1.93	1.81	0.54	0.57	0.60	86
24	6.12	3.74	14,175	7,036	10,106	3.94	8.78	1.03	1.49	1.78	1.81	0.55	0.60	0.63	85
25	6.00	3.63	12,338	7,248	8,889	3.51	8.15	1.05	1.45	1.64	1.80	0.62	0.61	0.63	88
26	5.73	3.63	8,156	7,283	7,008	3.26	7.72	0.87	1.40	1.53	1.79	0.63	0.67	0.63	80
27	5.37	3.44	5,270	7,209	6,410	2.76	6.95	0.72	1.33	1.39	1.77	0.63	0.65	0.65	85
28	4.96	3.39	8,836	7,267	5,903	2.71	6.13	0.66	1.27	1.34	1.75	0.68	0.58	0.75	76
29	4.79	3.33	9,240	7,335	5,764	2.44	6.22	0.59	1.22	1.24	1.73	0.74	0.63	0.74	88
30	4.94	3.10	9,272	7,399	5,674	2.10	5.73	0.45	1.16	1.14	1.70	0.74	0.70	0.78	92
31	4.9	2.86	9,374	7,463	5,713	1.88	5.17	0.40	1.09	1.07	1.66	0.79	0.64	0.81	84

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

December 2007

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant		None Detected	
California Aqueduct At Banks Pumping Plant	September 19, 2007	2,4-D	0.30
O'Niell Forebay Outlet Check 13	September 19, 2007	2,4-D	0.40
Delta Mendota Canal At McCabe Road	September 19, 2007	2,4-D	0.60
California Aqueduct Near Kettleman City (Check 21)	September 18, 2007	2,4-D	0.30
California Aqueduct At Near Highway 119 (Check 29)	September 19, 2007 September 19, 2007	Dacthal (DCPA) 2,4-D	0.12 0.40
California Aqueduct at Tehachapi Afterbay (Check 41)	September 19, 2007	2,4-D	0.30
California Aqueduct At Devil Canyon Headworks		None Detected	

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

December 2007

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	5,217,260	3,340	28,000	37,430	1,544,250	1,544,250	350,000	890
2	2,578,280	3,450	26,180	42,220	1,349,990	1,349,990	349,990	890
3	2,141,280	3,390	13,840	26,220	1,390,010	1,390,010	349,890	850
4	2,918,290	3,970	17,930	30,740	1,734,000	1,734,000	340,790	850
5	2,670,450	6,730	9,730	22,840	1,242,100	1,242,100	329,980	860
6	2,618,440	9,270	20,320	34,010	1,927,500	1,927,500	302,030	880
7	3,170,860	5,630	18,880	30,410	2,730,780	2,730,780	298,110	850
8	2,187,470	8,740	18,850	33,500	3,322,260	3,322,260	298,160	840
9	4,157,930	6,740	19,130	34,420	3,536,350	3,536,350	299,820	860
10	4,248,000	3,510	19,460	34,880	2,597,760	2,597,760	289,770	890
11	2,907,500	3,970	15,350	29,900	2,423,680	2,423,680	212,340	970
12	2,412,990	7,250	17,020	31,390	2,423,450	2,423,450	255,330	910
13	2,880,090	9,320	18,170	32,920	2,442,720	2,442,720	289,130	920
14	4,080,330	4,610	16,870	32,210	2,757,990	2,757,990	288,020	920
15	962,870	8,870	13,600	29,750	1,784,790	1,784,790	277,080	940
16	1,566,590	10,930	15,450	27,410	1,930,980	1,930,980	276,990	930
17	2,851,290	7,300	16,470	26,040	1,755,800	1,755,800	281,270	910
18	1,514,030	5,580	16,680	27,440	1,925,540	1,925,540	271,040	920
19	3,566,210	0	17,680	30,260	1,990,380	1,990,380	257,360	930
20	2,276,160	0	16,600	27,340	1,951,540	1,951,540	262,900	920
21	2,523,970	0	15,750	24,830	1,953,300	1,953,300	266,020	910
22	1,942,520	0	16,240	27,390	1,934,660	1,934,660	262,520	930
23	2,888,500	0	15,930	27,910	1,234,650	1,234,650	262,920	930
24	1,438,720	0	16,350	26,700	1,250,860	1,250,860	268,140	910
25	1,517,030	0	15,790	27,350	1,825,480	1,825,480	264,140	900
26	2,990,930	0	16,210	26,110	1,385,940	1,385,940	249,850	920
27	3,079,600	0	18,160	31,240	2,259,880	2,259,880	236,740	910
28	3,305,910	0	16,040	24,770	1,160,060	1,160,060	267,030	930
29	2,135,650	0	13,390	23,110	762,490	762,490	254,860	930
30	2,618,360	0	16,180	27,300	770,590	770,590	240,850	910
31	1,670,590	0	16,400	28,420	764,890	764,890	269,510	920
Total	83,038,100	112,600	532,650	916,460	58,064,670	58,064,670	8,722,580	28,030

Table 36. San Luis Field Division Energy Data

(in kWh)

December 2007

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	532,100	476,100	0	0	1,769,430	643,430
2	798,590	774,590	0	0	3,022,640	1,114,640
3	207,090	183,090	0	0	1,446,440	516,440
4	261,280	237,280	0	0	2,923,100	750,100
5	247,070	223,070	0	0	1,931,360	-290,640
6	453,130	429,130	0	0	3,132,040	506,040
7	313,090	289,090	0	0	3,812,310	1,284,310
8	282,180	258,180	0	0	3,724,110	1,735,110
9	225,670	201,670	0	0	6,065,550	2,981,550
10	169,020	145,020	0	0	2,834,710	1,610,710
11	246,530	222,530	0	0	3,892,280	1,940,280
12	222,850	198,850	0	0	4,802,970	2,288,970
13	300,470	276,470	0	0	3,589,500	1,541,500
14	377,350	353,350	0	0	4,461,440	2,061,440
15	323,420	299,420	0	0	3,857,950	1,502,950
16	287,530	263,530	0	0	5,885,780	3,707,780
17	352,380	328,380	0	0	2,751,280	999,280
18	362,110	338,110	0	0	2,770,760	634,760
19	275,330	227,330	0	0	4,670,470	2,597,470
20	358,290	310,290	0	0	3,157,300	1,420,300
21	367,370	319,370	0	0	1,288,220	352,220
22	351,360	303,360	0	0	2,326,820	394,820
23	669,040	621,040	0	0	5,135,900	2,750,900
24	378,560	330,560	0	0	630,300	-71,700
25	234,260	186,260	0	0	1,192,270	220,270
26	263,840	215,840	0	0	3,107,980	2,009,980
27	219,940	171,940	0	0	2,442,300	630,300
28	275,100	227,100	0	0	636,810	636,810
29	290,480	242,480	0	0	349,320	349,320
30	661,910	589,910	0	0	823,900	7,900
31	562,870	490,870	995,170	995,170	617,190	5,190
Total	10,870,210	9,734,210	995,170	995,170	89,052,430	36,832,430

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

December 2007

(in kWh)

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	13,250	34,220	51,560	48,810	52,270	1,139,780	1,351,050	2,881,600	10,632,600
2	8,610	22,380	56,590	53,490	57,110	1,188,370	1,377,060	2,959,200	10,989,970
3	6,600	16,160	42,240	40,190	42,690	373,210	444,720	928,420	3,556,930
4	8,920	22,290	44,530	42,450	44,970	454,510	505,800	1,088,960	4,013,790
5	5,510	13,580	36,760	32,260	34,280	498,860	509,540	1,101,860	3,551,740
6	5,380	13,130	54,500	52,460	53,900	536,980	489,680	1,025,280	3,793,070
7	5,510	13,940	43,310	41,170	43,760	488,940	485,300	990,800	3,567,620
8	4,330	9,900	39,790	37,250	39,740	362,570	399,900	871,070	3,318,300
9	7,060	17,760	52,810	48,860	53,270	375,350	466,250	1,000,970	3,651,880
10	5,910	14,220	35,850	34,310	36,500	401,770	461,210	896,400	3,534,380
11	4,640	10,640	34,450	31,290	35,800	483,630	476,740	948,950	3,198,420
12	5,400	12,840	43,770	42,900	44,420	475,040	459,680	960,410	3,435,130
13	5,260	13,190	39,470	36,670	39,450	459,880	457,280	946,700	3,465,800
14	5,670	13,680	42,710	40,690	43,570	635,060	702,290	1,492,430	5,282,870
15	5,000	12,550	39,450	36,950	39,200	552,910	712,820	1,539,010	5,586,430
16	5,780	14,600	51,590	49,110	51,980	763,880	966,080	2,171,030	7,807,400
17	3,680	8,330	28,280	26,300	28,770	834,330	974,570	2,133,600	7,810,800
18	5,260	13,260	49,370	46,730	49,000	897,490	981,420	2,142,990	7,791,900
19	4,910	12,390	42,090	39,480	43,450	889,680	996,800	2,144,820	7,788,990
20	5,370	13,370	48,950	46,270	48,990	792,610	918,450	1,981,570	7,330,930
21	6,200	14,310	36,490	34,130	37,140	907,890	1,012,220	2,242,540	8,141,820
22	4,830	11,660	26,880	25,160	27,280	866,360	1,022,550	2,231,850	8,161,340
23	6,060	14,790	45,170	42,680	46,150	1,487,670	1,731,260	3,869,130	14,468,570
24	3,200	7,580	26,940	24,760	26,470	871,510	1,036,570	2,294,570	8,423,780
25	4,540	11,190	40,340	38,470	41,510	744,460	944,830	2,132,380	7,680,020
26	3,840	9,310	35,640	33,110	35,110	687,910	852,660	1,850,990	6,936,920
27	5,170	12,840	37,870	35,400	38,570	612,530	697,350	1,518,480	5,462,230
28	5,980	14,980	35,240	33,160	35,560	819,080	890,900	1,961,310	7,086,150
29	4,630	11,240	38,330	36,090	38,680	750,140	868,740	1,919,630	7,079,810
30	5,180	12,900	39,930	37,590	40,710	1,388,800	1,662,700	3,748,720	13,968,130
31	5,610	13,240	38,750	36,470	39,240	1,232,680	1,469,790	3,309,050	12,325,470
Total	177,290	436,470	1,279,650	1,204,660	1,289,540	22,973,880	26,326,210	57,284,720	209,843,190

Table 38. Southern Field Division Energy Data

(in kWh)

December 2007

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green Spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	848,644	1,298,570	3,048,000	167,168	1,031,575	1,800,860	121,203	12,807	10,924	1,435
2	847,287	1,301,510	3,048,000	186,254	1,108,664	1,849,476	130,676	20,153	16,460	1,332
3	98,168	324,900	576,000	171,222	1,086,640	1,962,460	111,917	39,629	39,964	703
4	295,287	326,660	576,000	69,492	303,011	1,298,339	50,613	39,756	45,253	403
5	212,208	364,250	576,000	59,395	0	1,118,631	0	40,778	45,709	385
6	234,139	356,520	576,000	93,414	510,897	1,364,616	24,150	40,464	45,649	413
7	25,139	365,570	576,000	173,883	1,238,564	1,256,121	98,457	34,050	39,300	403
8	25,030	366,030	576,000	152,660	949,382	1,136,620	99,426	19,829	22,363	413
9	46,376	366,330	576,000	188,993	1,004,736	1,147,360	103,748	19,181	20,875	469
10	79,327	360,960	576,000	170,115	813,011	1,344,037	90,388	38,823	45,510	431
11	45,743	352,670	576,000	149,328	656,481	1,029,074	90,447	38,676	48,259	413
12	162,733	364,810	576,000	118,058	551,555	1,367,712	45,115	38,509	48,308	450
13	163,881	363,890	576,000	115,220	532,772	1,309,513	34,513	29,100	36,402	422
14	201,178	370,210	576,000	186,511	920,608	1,299,466	105,251	34,767	43,139	413
15	233,594	370,000	576,000	134,929	962,732	1,212,866	89,063	18,739	22,482	413
16	537,990	370,590	576,000	177,472	889,153	1,252,393	75,910	18,366	21,460	413
17	540,881	1,304,800	2,088,000	116,505	834,317	1,441,159	90,665	37,419	46,522	413
18	540,564	1,305,220	2,088,000	160,077	965,833	1,430,558	80,983	38,961	48,666	403
19	539,000	1,309,780	2,088,000	149,357	892,453	1,338,528	89,458	34,050	42,832	394
20	535,495	1,104,610	2,088,000	156,477	852,453	1,168,424	81,131	32,970	42,246	413
21	541,267	1,304,510	2,088,000	159,761	903,310	1,207,338	101,493	32,263	42,336	460
22	542,158	1,302,220	2,088,000	157,723	1,011,296	1,087,253	103,263	18,513	23,048	450
23	1,101,752	1,307,020	2,088,000	291,208	1,608,684	1,051,078	187,332	15,135	18,722	413
24	530,822	1,305,600	2,088,000	228,610	1,136,461	1,100,168	90,941	17,796	22,026	413
25	542,455	1,303,990	2,088,000	160,651	809,501	1,114,419	102,809	13,671	16,946	413
26	597,802	1,303,030	2,088,000	103,491	493,360	1,320,945	33,821	35,798	46,999	460
27	587,733	1,305,780	2,088,000	42,811	310,518	1,216,535	0	37,655	49,588	591
28	516,356	1,304,110	2,088,000	135,403	871,097	2,242,148	114,883	30,947	41,661	638
29	516,307	1,300,820	2,088,000	138,252	699,302	2,221,074	78,372	18,042	23,117	703
30	1,149,475	1,306,980	2,088,000	217,484	1,339,412	2,314,883	150,405	17,020	21,748	553
31	817,327	1,305,170	3,192,000	300,425	1,413,270	2,425,623	153,985	16,942	21,699	431
Total	13,656,119	26,997,110	46,584,000	4,832,348	26,701,047	44,429,678	2,730,419	880,809	#####	16,057

/1 Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations